

Meeting Agenda: INCOSE MBSE Patterns Working Group, at IS2016, and via Web Conferencing

Tuesday, July 17, 2016, 1500-1800 (UK) (10:00 AM – 1:00 PM EST)

IS2016 Meeting Room = Lammermuir 1, Level 2; For remote web meeting access, see the link and dialing information below this agenda

<p>Patterns WG Pre-reading and Background: This agenda. Team web site: http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:patterns Minutes of IW2016 meeting of July 5, 2016: http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:mbse_patterns_wg_mtg_07.05.16 Methodology Summary from the Patterns WG: http://www.omgwiki.org/MBSE/doku.php?id=mbse:pbse</p>	
	1500 – 1800 (UK)
<u>Introductions, review of meeting objectives and agenda</u>	1500 - 1515
<u>Reminder: The types of patterns our WG addresses, and why</u>	1515 - 1530
<p><u>What the Patterns WG has been doing since IW2016:</u></p> <ul style="list-style-type: none"> • At IW2016: 88 on-site participants in our team’s events at IW2016! See: http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:patterns_challenge_team_mtg_01.30-31.16 <ul style="list-style-type: none"> ○ Outreach: Joint Review Agile Systems Engineering Life Cycle Model (ASELCM) Pattern, w Agile WG (R. Dove et al) ○ Outreach: Joint Workshop with System of Systems (SoS) WG (J. Dahman et al) ○ Outreach: Joint Session with Product Line Engineering (PLE) (G. Chale-Gongora et al) ○ Patterns WG Meeting • Organizational Change: Just received (June) INCOSE Tech Ops approval of re-chartering of the MBSE Patterns Challenge Team as MBSE Patterns Working Group: <ul style="list-style-type: none"> ○ Mainstreaming with the other INCOSE Working Groups; ○ In line with INCOSE-envisioned transformation of SE to a model-based discipline; ○ Updated Charter is substantially same as our original MBSE Initiative-based charter in 2013, but now updated to show the progress we have made over our first three years, along with future goals; see: http://www.omgwiki.org/MBSE/lib/exe/fetch.php?media=mbse:patterns:mbse_patterns_wg_re-charter_2016_incose_approved_v2.2.1.pdf ○ This re-chartering as a WG is for INCOSE announcement at IS2016, including presentation to INCOSE CAB 07/16: http://www.omgwiki.org/MBSE/lib/exe/fetch.php?media=mbse:patterns:incose_mbse_patterns_wg_briefing_for_cab_july_16_2016_v1.2.1.pdf ○ Realigns our team within the INCOSE Tech Ops and WG structure; likely to be inserted into Transformation or Process category of WGs by INCOSE Tech Ops; ○ Not departing the (ongoing) MBSE Initiative; ○ Will involve creating a base WG web site within INCOSE web, integrated with our INCOSE/OMG web site • Outreach Project: Joint production of the INCOSE Agile Health Care Systems Conference, Chicago, Illinois (held May, 2016) http://www.incose.org/ChaptersGroups/WorkingGroups/industry/healthcare <ul style="list-style-type: none"> ○ Health Care WG has indicated interest in following up with a further joint project. • IS2016 papers from team to be presented during this week’s conference 	1530 – 1545

<ul style="list-style-type: none"> Review of Patterns WG Charter content: http://www.omgwiki.org/MBSE/lib/xe/fetch.php?media=mbse:patterns:mbse_patterns_wg_re-charter_2016_incose_approved_v2.2.1.pdf 	1545 - 1600
<p>Patterns WG Projects and Joint Efforts with Other Groups:</p> <ul style="list-style-type: none"> <i>Queued joint projects always require contact parties in both WGs ready to pursue the activity, even if exploratory</i> Planning next steps with <u>Systems of Systems (SoS) WG Project</u>: <ul style="list-style-type: none"> Patterns in Systems of Systems; already started before IW2016 joint workshop Build-out of other S*Metamodel elements to selected SoS Patterns already identified in last joint workshop SoS WG contact for this work SoS WG meeting Sunday, July 17 Planning next steps with <u>Agile WG on ASELCM MBSE Pattern Project</u>: <ul style="list-style-type: none"> Already started in late early 2015 Also includes joint presentation of two related IS2016 papers Start on IS2017 case study paper for Northrup Grumman Trajectory Uncertainty and Risk; Reducing, Trading, and Sharing Risk; Decisions System 2, 3 Pattern Learning Models Resources and Attention in System 2 Agile WG meeting Monday, July 18 Planning next steps with <u>Product Line Engineering (PLE) WG</u>: <ul style="list-style-type: none"> Initial joint exploratory meeting held at IW2016 (January) Harvesting PLE patterns from existing legacy products, by method of projections Candidate legacy product data set, from Guillermo Chale-Gongora, PLE WG Adding PLE pattern for manufacturing or other non-product system (interest of Charley Krueger, PLE WG) PLE WG meeting Wednesday, July 20 Planning next steps with <u>System Sciences WG</u>: <ul style="list-style-type: none"> Suggested by SSWG leader, James Martin, July 16, during IS2016 SSWG contact: potentially Duane Hybertson SSWG meeting Sunday, July 17 Also supporting INCOSE and SSWG at ISSS2016, Boulder, CO, later in July Planning future <u>Interfaces Pattern</u> joint activity: <ul style="list-style-type: none"> Suggested by Rebecca Deschamp, NASA Stennis, and Frank Salvatore, Decision WG Rebecca's further interest includes patterns applications in test systems Franks' further interest includes patterns applications in decision analysis These could potentially combine in another pattern project Planning future <u>ASME Model V&V Standards Committees</u> joint activity: <ul style="list-style-type: none"> Patterns in Virtual Certification and Model Validation and Verification ASME Staff and Committee Lead contacts identified 	1600 - 1645

<p>(joint project planning, continued)</p> <ul style="list-style-type: none"> • Planning future <u>PBSE Tooling</u> joint activity: <ul style="list-style-type: none"> ○ Suggested by Patterns WG in charter, and more recently Saulius Pavalkis, No Magic ○ Also suggested by MBSE Transformation AD Troy Peterson, as further related to Visualization, related JPL 2015 symp. ○ Also a natural joint project with Tools WG, whose chair Lonnie Van Zandt also contributed to Patterns WG product ○ Specific focus needs to be identified • Other priorities to include in future plans? 															
<p>Discussion of your ideas, interests, concerns, suggestions for future Patterns WG attention:</p> <ul style="list-style-type: none"> • Below, from our charter, are additional queued items from the running list of current and future activities you have shown interest in pursuing. What would you like to add, be a part of, or take a role in? <table border="1" data-bbox="178 516 1724 786"> <tr> <td>Support for deliverables of the INCOSE MBSE Transformation Lead Team; visualization</td> <td>2016-2017</td> </tr> <tr> <td>Additional targeted system application domain patterns</td> <td>Future</td> </tr> <tr> <td>Targeted science domain patterns</td> <td>Future</td> </tr> <tr> <td>ISO 15288 Implications of PBSE</td> <td>Future</td> </tr> <tr> <td>PBSE support for COTS Tools and Information Systems; past NASA visualization</td> <td>Future</td> </tr> <tr> <td>PBSE Implementation strategies & roadmaps, scenarios</td> <td>Future</td> </tr> <tr> <td>PBSE contribution to SEBoK</td> <td>Future</td> </tr> </table> <ul style="list-style-type: none"> • Discussion, other subjects 	Support for deliverables of the INCOSE MBSE Transformation Lead Team; visualization	2016-2017	Additional targeted system application domain patterns	Future	Targeted science domain patterns	Future	ISO 15288 Implications of PBSE	Future	PBSE support for COTS Tools and Information Systems; past NASA visualization	Future	PBSE Implementation strategies & roadmaps, scenarios	Future	PBSE contribution to SEBoK	Future	1645 - 1700
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<p>Adjourn</p>	1700														
<p><u>Meeting room and web conference available for continued informal interaction, networking, and follow up</u></p>	1700 – 1800														

For more information, contact-- **MBSE Patterns WG:** Bill Schindel schindel@ictt.com Troy Peterson peterson_troy@bah.com

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Reservationist *0