Meeting(s) Agenda: INCOSE PBSE Patterns Challenge Team of MBSE Initiative (at IS2015 and remote web conferenced)

- **Sunday, July 12**, 2015 15:00-17:00 PST, IS2015 on site location: **Laurel Room**
- **Monday, July 13**, 2015 13:30-15:00 PST, IS2015 on site location: **Laurel Room**
- **Access for REMOTE participants in EITHER of the above meetings:**
  - **Meeting Web Address: https://incose.pgimeet.com/GlobalmeetTwelve**
  - **Join as GUEST**
  - **Audio--USA /Canada: 1-888-619-1583 (toll free) or 1-719-457-1414 or use computer (other country numbers on separately emailed meeting invitations for whole team)**

Pre-reading and Background: Team web site: http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:patterns

   Materials of meetings of July 12-13, 2015: http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:patterns_challenge_team_mtg_07.12-13.15

(*For those interested in catching up on past PBSE material, refer to the May 19 meeting materials: "PBSE Methodology Summary" document, plus meeting slides on:*

- *Brief review of HLR (high level requirements framework) portion of S*Metamodel*
- *Criticality of Interactions to the heart of MBSE and PBSE, science and engineering*
- *Viewing Requirements Statements as non-linear Transfer Functions*
- *Gestalt Rules in PBSE – and their connections to the above and applications in understanding system patterns*

Those materials may be found at: http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:patterns_challenge_team_mtg_05.19.15)

	MEETING #1 OF 2 MEETINGS: Sunday, July 12	**15:00 – 17:00 PST**
Meeting start up: - Review of meeting objectives and agenda - Introductions of participants—on site and remote - Why the Patterns Challenge Team exists: Goals and approach		15:00 – 15:15
Announcements and updates: - INCOSE Great Lakes Regional Conference (GLRC9) 2015: Cleveland, October 23-25, 2015: https://www.incose.org/newsevents/currentevents/2015/01/14/incose-great-lakes-9th-regional-conference-2015-(glrc9) - Look for five or our team's papers at IS2015, Seattle, July: Pickard (best paper award); Cook; Peterson; Sanyal; Schindel - Agile SE Life Cycle Model (ASELCM) Project (joint w/Agile WG) host enterprise workshops to begin August; five orgs in pipeline - Our team's co-chair, Troy Peterson, named INCOSE Asst. Director for SE Transformation to MBSE - Status of our team's PBSE Methodology Summary posting by John Watson, INCOSE - Other announcements or updates?		15:15 – 15:25

PBSE technical subjects—discussion of:
 - What is in an S*Pattern, and why?
 - Our team's "Wave 1 projects" IS2015 authors (if present)—brief summary of their papers to be presented this week:
   - Improving Automated Test of Safety Critical Aerospace Systems -- Dave Cook, Moog Aircraft, et al
   - Reducing Error Escapes in the Development Process – Andy Pickard, Rolls Royce, et al
   - Autonomous Vehicle Pattern – Troy Peterson, Booz Allen Hamilton, et al
   - Improving Product Life Cycle Management – Saumya Sanyal, K2 Firm, et al
   - Representing and Improving System Life Cycle Trajectories – Bill Schindel, ICTT System Sciences
		15:25 – 16:30

• Our team's "Wave 2 project" leaders—brief summary of their work now underway, and participation interest from others:
    o Systems Engineering Social Network Pattern – Chris Hoffman, Cummins, Inc.
    o Health Care High Fidelity Transcription System Pattern – Vijay Thukral, Cientive Group
    o Improving the Connection to Systems Value – Troy Peterson, Booz Allen Hamilton, et al
    o Agile Systems Engineering Life Cycle Model Project & Pattern – Bill Schindel, ASELCM Team, and Agile Systems WG
    o Strengthening Metamodel Support for MBSE: The Systems Phenomenon – Bill Schindel
(*For those interested in catching up on past PBSE material, refer to the May 19 team meeting materials on:*
"PBSE Methodology Summary" document, plus meeting slides on:
• *Brief review of HLR (high level requirements framework) portion of S*Metamodel*
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	15:25 – 16:30 cont'd
	
	(Depending on which authors and leaders attend Sunday vs. Monday meeting—will continue in Monday meeting)

Planning discussion: • Future (Third Wave) Projects Pipeline Candidates: | Mapping PBSE to COTS Tools and Information Systems	Example SOS Pattern (Joint with SoS WG)
Mapping to ISO 15288; Processes vs. Data (Maps vs. Itineraries)	Supporting INCOSE objective for SE model-based; Case for Stronger Model Semantics
PBSE Implementation Strategies	Other interests from team members
Example Product Line Engineering (PLE) Pattern (Joint w/PLE WG)	| • Future meetings schedule: Pace, rate, calendar • Outreach: Who else should be involved? Example—other INCOSE WGs that are natural Patterns applications. Ideas? • Adjourn Sunday meeting	16:30 – 17:00
MEETING #2 OF 2 MEETINGS: Monday, July 13	**13:30 – 15:00 PST**
Meeting start up: • Review of meeting objectives and agenda; summary of Sunday's meeting outcomes • Introductions for new participants—on site and remote • Why the Patterns Challenge Team exists: Goals and approach	13:30 – 13:45
Reminder **of Sunday's announcements and updates**	13:45 – 13:55

Continue **discussion of PBSE technical subjects begun on Sunday:**
• What is in an S*Pattern, and why?
• Our team's "Wave 1 projects" IS2015 authors (if present)—brief summary of their papers to be presented this week:
    o Improving Automated Test of Safety Critical Aerospace Systems -- Dave Cook, Moog Aircraft, et al
    o Reducing Error Escapes in the Development Process – Andy Pickard, Rolls Royce, et al
    o Autonomous Vehicle Pattern – Troy Peterson, Booz Allen Hamilton, et al
    o Improving Product Life Cycle Management – Saumya Sanyal, K2 Firm, et al
    o Representing and Improving System Life Cycle Trajectories – Bill Schindel, ICTT System Sciences
• Our team's "Wave 2 project" leaders—brief summary of their work now underway, and participation interest from others:
    o Systems Engineering Social Network Pattern – Chris Hoffman, Cummins, Inc.
    o Health Care High Fidelity Transcription System Pattern – Vijay Thukral, Cientive Group
	13:55 – 14:50

- o Improving the Connection to Systems Value – Troy Peterson, Booz Allen Hamilton, et al - o Agile Systems Engineering Life Cycle Model Project & Pattern – Bill Schindel, ASELCM Team, and Agile Systems WG - o Strengthening Metamodel Support for MBSE: The Systems Phenomenon – Bill Schindel	
***Continuation* of Sunday's planning discussion:** - Future (Third Wave) Projects Pipeline Candidates: {table below} - Future meetings schedule: Pace, rate, calendar - Outreach: Who else should be involved? Example—other INCOSE WGs that are natural Patterns applications. Ideas? - Adjourn Monday meeting	15:40 – 15:00

Mapping PBSE to COTS Tools and Information Systems	Example SOS Pattern (Joint with SoS WG)
Mapping to ISO 15288; Processes vs. Data (Maps vs. Itineraries)	Supporting INCOSE objective for SE model-based; Case for Stronger Model Semantics
PBSE Implementation Strategies	Other interests from team members
Example Product Line Engineering (PLE) Pattern (Joint w/PLE WG)	

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