Meeting Minutes

Meeting:　　Dec 17, 2014, web meeting of Patterns Challenge Team of MBSE Initiative

Participants:
(**= co-chairs of challenge team)

Name		Affiliation	Email
Spoth	Mike	Moog Aerospace	mspoth@moog.com
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Agaram	Venki	PTC	vagaram@ptc.com
Peterson (**)	Troy	Booz Allen Hamilton	Troy.peterson@incose.org
Zabatt	Mike	Booz Allen Hamilton	zabat_michael@bah.com

Summary:

1. Wave 1 Projects: We asked permission of the authors of the PBSE-related papers submitted for IS2015, to share the papers with the rest of the challenge team:

   - Automated Test in Safety Critical Systems: D. Cook et al, Moog Aerospace
   - Reducing Error Escapes in Safety Critical Control Systems: A. Pickard et al, Rolls-Royce
   - Automated Ground Vehicles: T. Peterson et al, Booz Allen Hamilton
   - MBSE Across the Enterprise: B. Schindel et al, ICTT; S. Sanyal, K2

   Abstracts of above are shared at: http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:patterns_challenge_team_mtg_11.10.14
   We'd like to have a short discussion of these papers at the IW meeting of this Challenge Team.

2. Wave 2 Projects: Status of the new crop of S*Patterns interested parties and projects:

   - S*Pattern support to the health care teams working toward a health care reference architecture. (Vijay Thukral, Cientive, et al): Now in early stage stakeholder and issue identification, with focus on HC delivery system (versus, say, product development). Expects to connect more with Patterns Team after IW, on our offer to assist with Pattern.

   - Systems Engineering Social Network S*Pattern (Chris Hoffman, et al, Cummins). Expects work to start around the time of IW.

   - Agile Systems: Agile Modeling and Modeling Agile Systems workshop session we will present jointly with the Agile Systems WG at IW2015 in January in LA (Rick Dove, Bill Schindel). Reviewed high level scope of the Agile System Pattern in today's Dec 17 meeting. Discussed Agile Systems Engineering Life Cycle Model (ASECLM) Project to be announced at IW, which will use S*Pattern representation of project data and findings.

   - PBSE Methodology Summary our team will generate to add to the INCOSE MBSE methodology summaries listing. Expect a draft to review at our Jan 12 meeting, revision at IW meeting Jan 26-27, then submit for publication with the others.

3. S*Pattern FMEA Generation: We briefly reviewed the approach to generation of Failure Modes and Effects Analysis (FMEA) reports from S*Patterns, including related references and examples.

Additional Details:

4. Venki Agaram noted that there is an SAE Task Group on Automated Vehicles. He is interested in the Automated Vehicle Pattern, and showing this team what the SAE Task Group is doing. Troy Peterson will follow up for the Patterns Team, and possible subject for IW meeting in January.

Action Items:

5. Follow up with Venki on mutual interests in Automated Vehicle Patterns, SAE and INCOSE activities, and possible IW meeting subject. (Troy Peterson, Venki Agaram)

6. Support the four Wave 1 Projects' sub-teams and paper authors, in their updates to their patterns, their applications, and their papers (Sub-team members, Bill S.)

7. Support Midwest Regional Biomedical / Healthcare Working Group interest in reference architecture pattern (Vijay Thukral, Bill S)

8. Support interest in a Systems Engineering Community of Practice Social Network Pattern (Chris Hoffman, Bill S)

9. Continue to work with Rick Dove on IW2015 joint session on Agile Systems Engineering, and plans for Agile Systems Engineering Life Cycle Model ASELCM Project. (Bill S)

10. Provide an S*PBSE methodology summary for addition to the INCOSE published list, with initial review by the Patterns Challenge Team (Bill S., reviewing team members)

11. Obtain IS2015 paper author agreements to share draft papers from authors, for additional feedback. (paper authors, Bill S.)

12. Set agenda for working meeting of this team at IW2015, January 26-27. Reserve meeting facilities. (Bill S.)

13. Catch up with NGC and coordinate team meeting calendars. Identify potential interest in seeing how to structure patterns with shared content and unshared private content. (Troy Peterson, Tamara Valinoto)

14. Continue to support sub-team and individual interests in work on their patterns, guided by the original example pattern review schedule:

Sessions	Configurable S*Pattern Construction
Aug	Configurable Features Model; Domain Model
Sep	Domain Model; Interactions; States
Oct	Detail Interactions; Requirements; Attribute Couplings
Nov	Logical Architecture; Detail Interactions; Requirements
Dec	Physical Architecture; Failure Modes
Jan	More about configuration rules

References:

15. General web site for Patterns Challenge Team, charter, meetings listing, etc.:
http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:patterns

16. Dec 17 meeting agenda and meeting slides, at:
http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:patterns_challenge_team_mtg_12.17.14