“Dependability through Assuredness ™”

Summary of Boston Sessions presented by the RTES Forum --

20 July Tuesday - 1) Dependability through Assuredness featuring two committee members, Dr. Daniel Jackson from MIT and Dr. John Rushby from SRI for the National Academy of Science’s publication “Software for Dependable Systems: Sufficient Evidence?” 2) High Assurance Security, Standardization of MILS APIs, chaired by Rance DeLong from LynuxWorks and Paul Chen from Wind River, MILS Requirement for UAVs, Rob Hoffman from High Assurance Systems, Evaluation and Certification of High Assurance Commercial off the Shelf Products (COTS) and International Mutual Recognition of the Certified Security Products.


22 July Thursday - 1) An update on the AFRL HAMES Project by Carolyn Boethcher from Raytheon, 2) High Assurance Security Requirements: for the US Government and Critical Infrastructure by Dr. Ron Ross from NIST and for the Medical Field by Partners HealthCare System. Immediately following the presentations there will be a Workshop/Discussion on High Assurance Requirements facilitated by Rance DeLong, 3) Developing an Approach to Evaluation and Certification for High Assurance Security Commercial Products. 4) A joint session with the Security Forum to progress Secure Mobile Architecture (SMA) including a presentation on a series of use cases, 5) A wrap-up on the activities of the RTES Forum going forward.
Real-time & Embedded Systems Forum Vision and Mission

- **RTES Vision**
  - Employ widely supported and open real-time standards and enabling technologies to deliver testable and certifiable cost-effective, mission-capable systems.

- **RTES Mission**
  - Improve the time and cost to market adoption of real-time and embedded solutions by providing a forum where we can share knowledge and integrate open initiatives, and certify approved products and processes.
“Dependability through Assuredness™”

Boston, Hyatt Haborside - Track Agenda sponsored by The Open Group RTES Forum: 19-22 July 2010

Monday 19 July:
Open Sessions of interest to RTES Forum Members
- 09:00 – 12:30 Cybersecurity: The Intentional Enterprise in an Uncertain World
  www.opengroup.org/boston2010/sub-prog-plenary-1.htm
- 14:00 – 17:30 The Acquisition Cybersecurity (ACS) Initiative
  www.opengroup.org/boston2010/acs.htm
- 16:00 – 1630 Mission Assurance, Harriet Goldman, Mitre
  See Plenary Security Track www.opengroup.org/boston2010/program.htm

Tuesday 20 July:
09:00 – 09:15 Introduction to the RTES Forum: Overview of the forum mission, work areas and work group activities - Joe Bergmann, Forum Director, The Open Group
09:15 – 10:00 MILS Architecture/APIs: Objectives, Vision and Overview of the MILS API Requirement from a Minimal Runtime Perspective - Rance DeLong/Paul Chen, Co-Chairs of the MILS API WG
10:00 – 10:30 MILS Architecture/APIs: Facilitated session to identify and prioritize the outstanding Issues related to scope and market adoption of a MILS API - Facilitated by Sally Long
10:30 – 11:00 Break
11:00 – 11:15 Update MILS Architecture Requirement for UAVs – Rob Hoffman, CEO High Assurance Systems
11:15 – 12:30 MILS Architecture/APIs: Interactive discussion to begin working through issues identified above
12:30 – 13:30 Lunch
14:00 – 17:30 Parallel Activity: ACS Initiative - See Open Sessions:
13:30 – 14:30 Dependability through Assuredness: “Dependability by Design” – Dr Daniel Jackson, MIT
14:30 – 15:30 Dependability through Assuredness: “Making the Case” – John Rushby, SRI
15:30 – 16:00 Break
16:00 – 17:00 Dependability through Assuredness: Panel Discussion, Jack Fujieda - ReGIS, Glen Logan - Chair RTES Forum. John Rushby – SRI, et al.

Wednesday 21 July:
08:00 – 09:00 Mission Assurance – Harriet Goldman, MITRE
09:00 – 10:30 Mission Assurance Scenario Workshop - Facilitator Terry Blevins, MITRE
10:30 – 11:00 Break
11:00 – 11:30 Report on latest release and support for DODAF 2.0 – Glen Logan, Chair RTESF
11:30 – 12:30 TOGAF RTES Extension and RTES Reference Model Overview - Ed Roberts, Elparazim
12:30 – 13:30 Lunch
13:30 – 15:00 SysML Overview and Tutorial - Ed Roberts, Elparazim
15:00 – 15:30 Open System Architecture & Guidebook Update - Edwin Lee, Raytheon, Vice Chair RTESF
15:30 – 16:00 Break
16:00 – 17:30 “Architecting for Uncertainty” Workshop - Joint session with Security Forum – Mike Jerbic et al.
17:30 – 18:00 Safety Critical Java (JSR 302) Status and Future Plans - Doug Locke, LC Systems Services,Inc
19:00 – 2130 Potential BOF if needed to develop TOGAF to the Platform requirements (i.e.Properties, Constraints, etc.) to support High Assurance and Safety Critical Environments.

Note: The SC Java (JSR302) Expert Group will meet in in Boston 20-22 July. Send requests for information and permission to attend the Expert Group meeting to Doug Locke doug@douglocke.com

This agenda is subject to update. As of 7 July 2010
“Dependability through Assuredness™” (Continued)

Boston, Hyatt Haborside - Track Agenda sponsored by The Open Group RTES Forum: 19-22 July 2010

Thursday, 22 July:
08:00 – 09:00 HAMES Presentation – Carolyn Boethcher, Raytheon
09:00 – 09:45 High Assurance Requirements: Government, Critical Infrastructure – Dr Ron Ross, NIST
09:45 – 10:30 Assurance (Security) Requirements for Medical Devices/Operating Room of the Future – (TBD), Partners HealthCare System
10:30 – 11:00 Break
11:00 – 11:30 Assurance Requirements: Discussion/Workshop - Rance DeLong, et al.
12:30 – 14:00 Lunch = Optional Session -- AADL Tutorial and Discussion by Ed Roberts
14:00 – 15:30 Secure Mobile Architecture – Joint session with Security Forum - Steve Venema, Boeing
  Use Cases -- 1) Automotive: Jack Fujieda, ReGIS
    2) SCADA: Joe Weiss, Applied Control Solutions
    3) Mobile Collection Devices: Glen Logan, Chair RTES Forum
15:30 – 16:00 Break
16:00 – 17:30 RTES Forum Members meeting – Going Forward, Sally Long, Joe Bergmann, Glen Logan et al.

Note: The SC Java (JSR302) Expert Group will meet in in Boston 20-22 July. Send requests for information and permission to attend the Expert Group meeting to Doug Locke at doug@douglocke.com