

Agenda RT&ES Forum Boston

Hyatt Harborside July 22-25, 2003

- **Security for Real-time (22-23 July)**
 - MLS without restricted kernel
 - Security Update for Process Controls
 - PKPP and POSIX Discussion
 - Why Common Criteria is Failing
 - MILS Tutorial
 - MILS and Middleware
 - MILS for Web Services
 - Breakout Work Sessions (23 July Morning)
- **RT Operating Systems Profiles & Certification (22 July Afternoon)**
 - Real-Time Operating Environment Product Standard Candidate – Future Combat System SoSCOE
 - Update IEEE POSIX 1003.13
 - Update ARINC 653 Standard
 - Discussion -- Certification of Product Standards
- **Open Architecture for RT (23 July)**
 - Information Briefing Lockheed Martin Real-time Open Architecture Approach
 - DRM Standards Initiative
 - Distributed Communications
 - Draper Lab report on "Maturing MOSA" study
 - JCAA/MOSA
 - Roadmap Discussion
 - Open Architecture Methods for Real-time -Joint Session w/ Architecture Forum
- **Safety Critical RT Java (24 July)**
 - Formalize SC Real-time Java Expert Group
 - Basing Safety-Critical and Mission-Critical Java Specifications on RTSJ
 - Review work breakdown schedule to complete Specification, TCK and Reference Implementation
 - Identify source of resources to complete identified work
 - RT Java/RT CORBA Synthesis
 - Distributed RT Java
 - Ada Safety Critical Lessons Learned
 - Forward to Mission Critical RT Java
 - Other Issues
- **OOT and Safety Critical Applications Discussion (24 July Evening)**
Session Pending Travel Approval of Key Players
- **Safety/Mission Critical (25 July Morning)**
 - Generation of COTS Artifacts for Traceability Proposal
 - Discussion and Way Forward

Note: Tuesday Evening University Projects Session Delayed until October Meeting
Update July 23, 2003 as of 1600 Hours

THE *Open* GROUP

Security for Real-time Agenda

July 22-23, 2003

- **Security for Real-time (July 22, 2003)**
 - 0900-1000 Introduction, Update Discussion – Sam Bowser, The Aerospace Corp
 - 1000–1030 MLS Without Restricted Kernel – Dr Victor Yodaiken, FMS Labs
 - 1030-1100 Break
 - 1100–1200 Process Controls Security Update – Joe Weiss, Kema Consulting
 - 1200-1330 Lunch
 - 1330-1400 MILS and POSIX Discussion – Bill Beckwith, Joe Gwinn
 - 1400-1445 Why Common Criteria is Failing – Dr John Shapiro, John Hopkins University
 - 1445-1545 MILS Tutorial – Ben Calloni – Lockheed Martin
 - 1545-1630 MILS and Middleware – Bill Beckwith, OIS
 - 1630-1745 MILS for Web Services – Bill Beckwith, OIS
 - 1745-1800 Wrap-up - Sam Bowser, The Aerospace Company
- **Security for Real-time Work Sessions (July 23, 2003)**
 - 0830-1200 As determined by Work Group

RT Profiles & Certification Agenda

July 22, 2003 (Afternoon)

- **Profiles & Certification**

- 1400-1500 FCS SoS COE – Paul Schoen, Boeing FCS Program (Joint Session with COE Forum)
- 1500-1530 IEEE POSIX 1003.13 Update – Joe Gwinn, Raytheon
- 1530-1600 Break
- 1600-1630 ARINC 653 Update – Paul Prisaznuk, Airlines Electronic Engineering Committee, ARINC
- 1630-1730 Profile Certification Discussion – Joe Bergmann

Open Architecture for RT Agenda

July 23, 2003

■ Open Architecture

- 0900-0915 Introduction – Lt Col Glen Logan, OSD AT&L OSJTF
- 0915-1030 JCAA/MOSA – Joe Schaff, NAVAIR; Professor Lund, AVSI (Texas A&M)
- 1030-1100 Break
- 1100-1145 Draper Lab Report on “Maturing MOSA “ Study – Larry Brock, Draper
- 1145-1230 Distributed Communications – RTI, TBD
- 1230-1300 Proven Path, Lockheed Martin, Shawn Mulvaney- JSF Program
- 1300-1400 Lunch
- 1400-1430 DRM Standards Initiative, Ohio University, David Fleeman
- 1430-1600 Roadmap Discussion, Lt Col Glenn Logan, OSD AT&L OSJTF
- 1600-1730 Open Architecture Methods for RT – Terry Blevins, The Open Group; John Spencer, The Open Group; Allan Kennedy, Kennedy Carter Ltd.; Joint Session with Architecture Forum

SC Java Agenda

July 24, 2003

■ SC Java (July 24, 2003)

- 0900-0915 - Introduction – Robert Allen, Boeing
- 0915-1000 - Ada Safety Critical Lessons Learned – Ben Brosgol, Ada Core Technologies
- 1000-1045 - Mission Critical RT Java, A JPL View – William Reinholtz, NASA/JPL
- 1045-1100 - Break
- 1100-1200 - RT Java/RT CORBA Synthesis – Bill Beckwith, OIS
- 1200-1230 - Distributed RT Java – Doug Jensen, Mitre
- 1330-1430 - Basing Safety-Critical and Mission-Critical Java Specifications on RTSJ – Kelvin Nilsen, Newmonics
- 1430-1530 - An approach to SC RT Java RI - John Anton, Kestrel Technology
- 1530-1600 - Break
- 1600-1630 - Taking the next step – Dave Lounsbury, The Open Group
- 1630-1730 - Identify source of resources to complete identified work and other issues- All

THE OOT SESSION IS IN DANGER OF BEING CANCELLED BECAUSE THE KEY PLAYERS HAVE NOT RECEIVED PERMISSION TO TRAVEL AS OF 1600 Hours July 23.

Safety/Mission Critical Applications

July 25, 2003 (Early Morning)

- **Safety/Mission Critical**
 - 0830-1000 Generation of COTS Artifacts for Traceability – George Romanski, Verocel
 - 1000-1030 Break
 - 1030-1200 Discussion and the Way Forward – George Romanski et al.