

Real-time and Embedded System Forum

April 26-28, 2006

Crystal City Hilton, Arlington, VA

Open Architecture for Real-time, Open Source for High Assurance Safety Critical
Wednesday, April 26: 1400-1730
Glen Logan/Open Systems Joint Task Force

- 1400-1530 Open Source. AdaCore TBC
- 1530-1600 Break
- 1600-1730 Legal Issues – Narrowing the Licensing Options -- Discussion, Steve Nunn et Al.
- 1800-2030 BoF Modeling for Performance Concerns Rick Hilliard et al

Open Architecture For Real-time –Software Portability
Thursday, April 27: 0900-1530 Glen Logan/Open Systems Joint Task Force (Parallel Session with
SCS Java and Security For Real-time -- see below)

- 0900-1000 NSWC Requirements, Dave Marlow
- 1000-1030 Portable Communications Stack, NSWC TBC
- 1030-1100 Break
- 1100-1230 Eclipse-based Development Tools, Sebastien Marineau, QNX
- 1230-1330 Lunch
- 1330-1530 IBM Tools for Portability Across Environments, TBC
- 1530 Break for MILS Demo

Security for Real-time (HA-SRT)/High Assurance Safety Critical Environments
Thursday, April 27: 0900-1730 Edwin Lee/Raytheon (Parallel Session with SCS Java and
Open Architecture for Real-time -- see above & below)

- 0900-0930 MILS Architecture and Interoperability, Rance DeLong, LynuxWorks
- 0900-0945 Taxonomies for MILS Protection Profiles, Rance DeLong, LynuxWorks
- 0930-1045 MILS Network System Protection Profile, John Rushby, SRI
- 1045-1100 Break
- 1100-1300 MILS
 - PP Multiple Processors
 - PP File Systems
- 1300-1400 Lunch
- **1400-1730 MILS Demo**

1400-1405 Welcome from The Open Group

1405-1430 Need for Information Assurance & MILS, Col Ken Flowers, OSD(AT&L) OSJTF

1430-

1445 Need for MILS: AF Program Example - Marc Pitarys, AFRL

1445-1515 MILS Architecture: A solution using COTS - Ben Calloni, Lockheed Martin

1515-1530 High Assurance Security Architecture for Embedded Systems/MILS Program - Jahn Luke

1530-1630 Raytheon demo followed by panel discussion and Q&A

1630-1730 Reception and one-on-one meetings/briefings

Safety/Mission Critical RT Java Specification Work (Parallel Session HA-SRT and OA for RT see above)
Thursday, April 27: 0800 - 1800 Doug Locke

- Introduction for newcomers
- Status
 - a. Consideration of Issues
 - b. Reference Implementation
 - c. Technology Compatibility Kit (TCK)
- Robert Allen, User View of Requirements
- Current JSR Text
 - a. Vote to submit?
- Development of Reference Implementation and TCK
 - a. Review of HIJA Proposal
 - b. Review of Aonix Proposal
- Other Proposals (If Appropriate)

Military APIs Joe Bergmann
Friday April 28, 0900-1230

- Partitioning for A POSIX RT OS, Sebastien Marineau, QNX
- AE 653, AdaCore TBC
- Working a change to POSIX for Military API

Safety/Mission Critical RT Java (Friday Morning)
Friday, April 28: 0800-1230 Doug Locke/The Open Group

- 0800-1800 Safety Critical RT Java Specification Work Group – Facilitator Doug Locke
- ...

Agenda as of 22 April 2006