

Real-time and Embedded Systems Forum

**Inaugural Meeting
June 27–28 2000**

The RT Forum Mission

THE *Open* GROUP

To grow the market for real-time and embedded systems by providing a certification program supported by tests suites and based on specifications from existing products and standards.

The RT Forum will work with the appropriate industry groups as an independent party and standards integrator to review existing specifications and requirements to avoid duplication and redundancy. Relationships will be established with but not limited to: IEEE PASC, SAE, OMG, NCITS-R1, and UDI Consortium

Inaugural Meeting

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- The RT Forum launches here and now!
 - Aims to facilitate the development of standards based on real product solutions
 - Supports a range of systems, from embedded to non-embedded.
 - The target for today is to come up with a list of *hot items for the Forum to focus on.*
 - Outputs will be a work program and schedule

Forum Membership

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- **Target membership comprises:**
 - **Operating system suppliers**
 - **Tools suppliers**
 - **Buyers deploying real-time and embedded systems**
 - **Liaisons to other industry/standards groups**
 - **First Forum members to be announced at this meeting**

Real-Time and Embedded Systems Forum

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- **Build upon existing work, extending them to address market requirements.**
- **Include quality-of-service aspects to the APIs to facilitate deterministic behavior.**
- **Facilitate application portability between/among systems from multiple suppliers.**
- **Test tools for suppliers to establish confidence their products conform.**
- **An independent certification program that delivers guaranteed conformance to the buyer.**

Today's Sessions

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- ❑ The first part of the day is devoted to individual presentations from invited speakers and then a panel session.
- ❑ After this comes the opportunity for the "champions" to put forward proposals for areas which the Forum should be working in.
 - This part of the day takes the following forms: an initial presentation from each champion advocating a particular item, a straw poll on the possible items selecting the 6 top items and then breakout into six workout groups.

Agenda



- ❑ 0800 -- Allen Brown/ Andrew Josey -- Introduction and Road Map
- ❑ 0825 -- WindRiver, John Fogelin, -- Market Drivers for Real-time and Embedded Systems
- ❑ 0850 -- FSMLabs, Victor Yodaiken, -- RTLinux and POSIX 1003.13
- ❑ 0915 -- QNX , Steve Furr, -- Linux Momentum Drives POSIX APIs for RTOS Vendors
- ❑ 0940 -- LynuxWorks, Mitch Bunnell -- LINUX + POSIX = RT UNIX
- ❑ 1005 -- VenturCom, Myron Zimmerman, CTO, -- RT for Windows NT
- ❑ 1030 Break

Agenda (Cont'd)

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- ❑ 1100 -- NCITS-R1, Russ Richards, -- NCITS-R1 RT Requirements
- ❑ 1130 -- Boeing, Richard Paine, -- Boeing's RT Requirements
- ❑ 1200 -- US Army, Bill Protzman (DCS Corp), -- The US Army Operating Environment – a distributed realtime solution
- ❑ 1230 -- Lunch

Agenda (Cont'd)

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- 1330 -- Project UDI , Kevin Quick, Chairman -
The UDI Project and Real-time opportunities
- 1400–1500
 - Panel with speakers

Champions Session



- 1500 -- Present possible future work of RT Forum and Vote on priorities
 - Andrew Josey and Champions (Doug Jensen, Mitre (RT CORBA vs RT Java Specifications), Dave Lounsbury, The Open Group (Quality of Service), Lt Col Glen Logan, Curtis Royster, Jr., OS-JTF (Testing and Certification), Mark Gerhardt from TimeSys (RT Performance), Sam Bowser, The Aerospace Corp (Security), and others as determined by Forum
- 1530 -- Break

Agenda (Cont'd)

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- ❑ 1600 – ...future work cont'd
- ❑ 1620 -- Result of votes on Work Areas
- ❑ 1630 -- Break out for 6 future forum work areas
- ❑ 1730 -- Short recap 5 Minutes each from work panel chairs.
- ❑ 1800 -- Break for Barbecue