

---

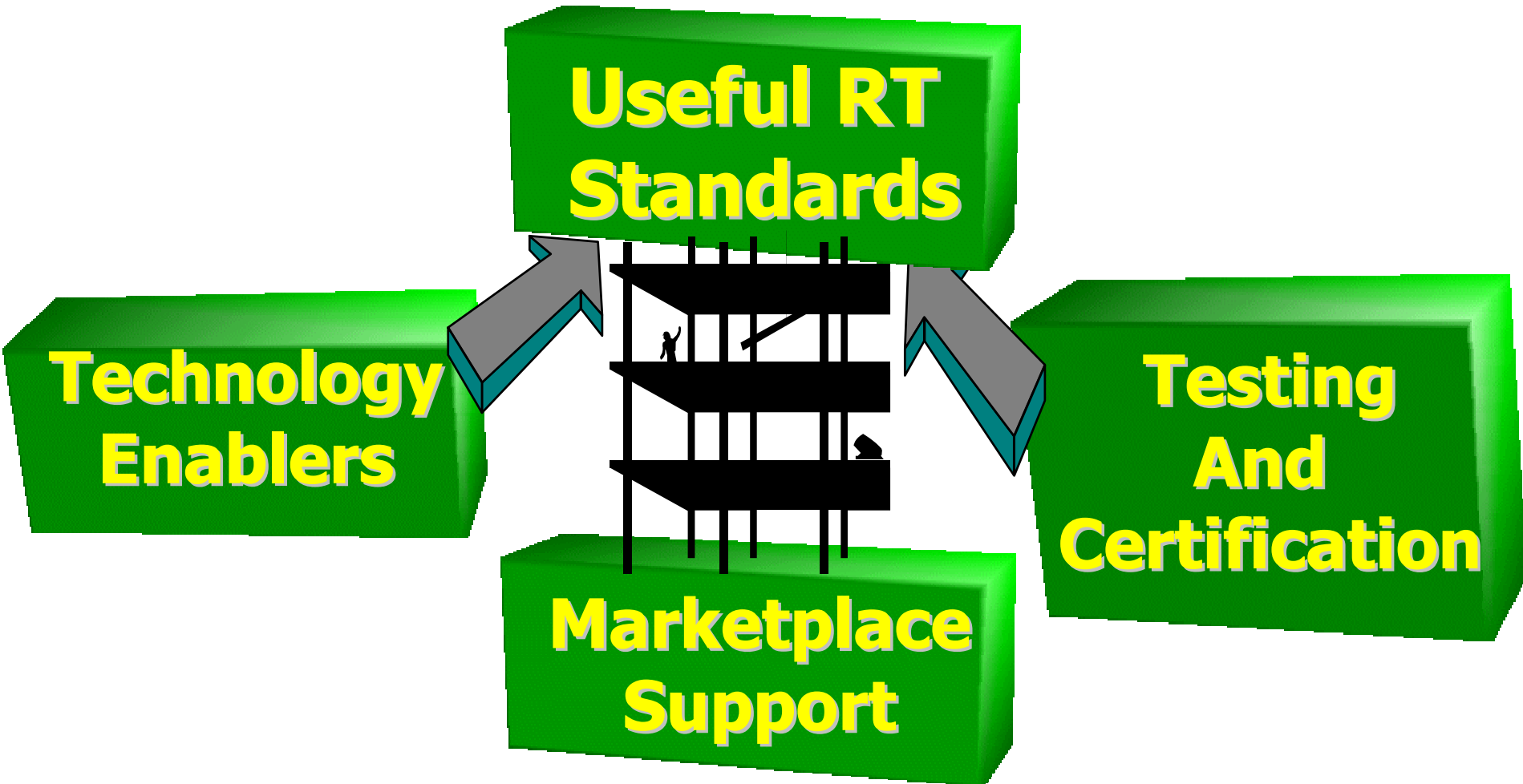
# Real-time and Embedded Systems Forum

<http://www.opengroup.org/rtforum>



# Vision

---



# 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

# Role

---

- Leverage The Open Group's diverse membership
- Bring together leading vendors with corporate and government customers
- Advance standards development based on real product solutions
- Establish test tools for suppliers to use to provide confidence in their products
- Deliver an independent certification program that delivers guaranteed conformance to the buyer.

# Activities

---

## ■ Working Areas:

- RT Operating System Profiles and Certification
- Security for RT and Embedded Systems
- Safety/Mission Critical Applications
- Real-time Java for Mission/Safety Critical Environments
- RT Enterprise Requirements
- Real-Time QoS Vendor Challenge

## ■ Liaisons:

- IEEE PASC SSWG RT
- The Object Management Group
- INCITS R1
- Society of Automotive Engineers
- J Consortium
- Java Community Process
- Embedded Linux Consortium
- NIST PCSRF
- UDI Consortium
- NATO Research Task Group on Validation, Verification and Certification of Embedded Systems
- NSA SPOCK
- DISA COE AOG
- DoD RT Advisory Group (RT COE)
- US Army WSTAWG (US Army OE)

# Working Group Champions

---

- Profiles and Certification – Lt Col Glen Logan
- Security for RT – Sam Bowser
- Safety/Mission Critical – Dave Emery
- RT Java –Robert Allen
- RT Enterprise Requirements – Scott Lewis
- RT QoS Vendor Challenge – Dock Allen

# Members

---

- **AXE Inc**
- **Defense Information Systems Agency**
- **Hewlett-Packard Co.**
- **IBM Corporation**
- **J Consortium**
- **Jet Propulsion Laboratory**
- **Lockheed Martin Corp.**
- **LynuxWorks Inc.**
- **MontaVista Inc.**
- **NASA Goddard Space Flight Center**
- **OAR Corp.**
- **Open Systems Joint Task Force**
- **QNX Software**
- **REDSonic Inc.**
- **ReGIS**
- **Silicon Graphics Inc.**
- **Sony Corporation**
- **Sun Microsystems Inc.**
- **Teamcall Ltd.**
- **The Boeing Company**
- **The Mitre Corp.**
- **TimeSys Corp.**
- **Toyota InfoTechnology Center**
- **Universidad de Cantabria (Spain)**
- **University of York (UK)**
- **US ARMY WSTAWG**
- **Veriserve Corp.**

# RT&ES Forum Membership Benefits

---

- **Full voting participation in either the customer or supplier council**
- **Eligible for election to the Board of Directors (As representative of the customer or supplier council)**
- **May attend public parts of The Open Group quarterly meetings**
- **Full voting participation in forum decisions**
- **Eligible for election to the steering committee of the RT&ES Forum**
- **Eligible to be a Chair of a forum specific working group**
- **Right to participate in all forum working groups – currently six**
- **Influence the direction and outcome of the forum and working groups through the right to vote in the consensus activities**
- **Early access to evolving specifications insuring product compatibility**
- **Early access to new test suites**
- **Insure early access to the marketplace for compliant products**
- **Balloter on all specifications submitted for Company Review within the forum**
- **Reviewer of all specifications submitted for Company Review**
- **Network with potential customers, suppliers, cross industry forums and other consensus consortia**
- **Market Intelligence to insure products fulfill customer requirements**
- **Access to members only section of the WEB, eMail associated with the forum**
- **Receive The Open Group electronic newsletter and other information about The Open Group**

# Successes

---

- Test Suites for IEEE POSIX 1003.13
  - Profiles 52 and 54
- White Papers
  - Conformance
  - Safety Critical
- Security for Real-time and Embedded Environments RFI issued
  - Response from three industry players
- Agreement to develop Real-time Protection Profile under the Common Criteria
- Consensus to develop two RT Java JSRs for Mission/Safety Critical Environments
- 27 active members