

# SERVICE AVAILABILITY™ FORUM

**Open Specifications for Service Availability**

## **Member Companies**

### **About Alcatel-Lucent**

Alcatel-Lucent provides solutions that enable service providers, enterprises and governments worldwide, to deliver voice, data and video communication services to end-users. As a leader in fixed, mobile and converged broadband networking, IP technologies, applications, and services, Alcatel-Lucent offers the end-to-end solutions that enable compelling communications services for people at home, at work and on the move. With operations in more than 130 countries, Alcatel-Lucent is a local partner with global reach. The company has the most experienced global services team in the industry, and one of the largest research, technology and innovation organizations in the telecommunications industry. Alcatel-Lucent is incorporated in France, with executive offices located in Paris. For more information, visit Alcatel-Lucent on the Internet: <http://www.alcatel-lucent.com>

### **About Budapest University**

Institutum Geometrico-Hydrotechnicum, the legal predecessor of Budapest University of Technology and Economics (BME) was founded in 1782, and it was the first institute in Europe to train engineers at university level. BME, as a prestigious Hungarian higher education institute is committed to differentiated, multilevel, high-standard education, founded on intensive basic training, research, development and innovation, and scientific qualification in technical and natural sciences and in certain fields of economic and social sciences. For more information, please visit <http://portal.bme.hu/langs/en/default.aspx>.

### **About embeddedMIND**

embeddedMIND is a division of Silicon and Software Systems Ltd (S3).

The embeddedMIND product family was developed based on the experience gained over a 20-year period of providing solutions for the worlds leading networking equipment manufacturers. embeddedMIND has been built from the ground-up to provide a unified approach to network device management. Our unique architecture enables us to support today's and tomorrow's network management standards while minimizing the impact of changing interfaces on our customer's application. embeddedMIND scales from access to core applications and has been deployed in infrastructure as diverse as wireless base stations, enterprise routers and high-end metro-edge routers.

embeddedMIND provides a key part of the system infrastructure in an off-the-shelf solution that provides high quality, robust, carrier-grade performance. This enables equipment manufacturers to focus on providing value-add features and services for their customers. For more information see <http://www.embeddedmind.com/>

### **About Emerson Power**

Emerson Network Power is a leading provider of boards and software for worldwide teledatacom™ networks and real-time communication applications. We provide the core communications technology and building blocks for today's converging telecommunications networks. We do so with all the hallmarks of a true artisan: creativity, quality, cost-efficiency and the flexibility to meet individual needs. Our extensive engineering expertise, combined with a comprehensive suite of WAN interfaces, CPU boards, system controllers, protocol software and communications subsystems, enables us to deliver optimum solutions designed to meet your precise cost, performance, and time-to-market requirements. For more information, please visit <http://www.artesyncp.com/>

### **About Enea**

Enea is the leading supplier of real-time operating systems, middleware, development tools, database technology and professional services for high-availability distributed multiprocessing applications such as telecommunications infrastructure, mobile devices, medical instrumentation, and automobile control/infotainment. Enea's flagship operating system, OSE is deployed in approximately half of the world's 3G mobile phones and base stations. Enea has over 500 employees and is listed on the Stockholm Stock Exchange. For further information on Enea, please visit [www.enea.com](http://www.enea.com).

### **About Ericsson**

Ericsson is shaping the future of Mobile and Broadband Internet communications through its continuous technology leadership. Providing innovative solutions in more than 140 countries, Ericsson is helping to create the most powerful communication companies in the world. For more information, please visit [www.ericsson.com](http://www.ericsson.com).

### **About ESO Technologies**

ESO Technologies is a French corporation founded in 2003 and located in Paris area. ESO provides High Availability computing software Products & Services to OEMs developing mission critical computing or Telco infrastructure equipments. ESO Products & Services support carrier grade Linux Platforms based on modular standardized architectures such as PICMG ATCA and CompactPCI 2.16 as well as systems supporting Service Availability Forum interfaces.

ESO Technologies solutions aim to make the multi-vendor building-blocks design & integration process Fast, Performing and Reliable with:

- Software tools automating systems test & integration tasks
- Competitive and flexible HA platforms providing 99.999% availability,
- Engineering services ensuring state of the art system design & integration

ESO Technologies is an associate member of the PICMG, an adopter member of the Service Availability Forum and is a general member of Intel Communication Alliance. ESO brings high value to its customers by allowing them to build faster and at lower cost than competition, mission critical computing & communication platforms. For more information, please visit <http://www.eso-tech.com/>.

### **About Fujitsu Limited**

For more information, please visit: [www.fujitsu.com/global/](http://www.fujitsu.com/global/)

### **About Fujitsu Siemens Computers**

Fujitsu Siemens Computers is the leading European IT provider with a responsible strategic focus on next-generation Mobility and Business Critical Computing products, services and solutions. With a portfolio of exceptional depth, our offering extends from handhelds through desktops to enterprise-class IT infrastructure solutions. Fujitsu Siemens Computers has a strong presence in all key markets across Europe, the Middle East and Africa. Leveraging the strengths, innovation and global reach of our joint shareholders, Fujitsu Limited and Siemens AG, we make sure we meet the needs of customers: large corporations, small and medium enterprises and private users. For more information on Fujitsu Siemens Computers, please visit: [www.fujitsu-siemens.com](http://www.fujitsu-siemens.com)

### **About GoAhead Software**

GoAhead® Software is the expert in building integrated middleware for telecom equipment manufacturers and military/aerospace equipment contractors requiring extremely high availability. By providing a fully integrated, application ready platform, GoAhead products and services help equipment manufacturers achieve faster time to market and lower development costs. Deployed on more than 10,000 nodes worldwide, GoAhead delivers the software and the expertise necessary to ensure success for a broad range of development projects such as wireless base station controllers, Node Bs, softswitches, defense applications and industrial controllers. Industry leaders such as Motorola, Alcatel, Italtel, Operax, Lockheed Martin and Honeywell are utilizing GoAhead solutions to gain a competitive edge. GoAhead is a privately held company with headquarters in Bellevue, Washington. For more information, please visit [www.goahead.com](http://www.goahead.com) or call 425-453-1900.

### **About Hewlett-Packard Company**

Hewlett-Packard Company - a leading global provider of computing and imaging solutions and services - is focused on making technology and its benefits accessible to all. HP had total revenue from continuing operations of \$48.8 billion in its 2000 fiscal year. For more information, please visit [www.hp.com](http://www.hp.com).

### **About Huawei**

Huawei Technologies is a leader in providing next generation telecommunications network solutions for operators around the world. The company is dedicated to providing innovative and customized products, services and solutions to create long-term value and potential growth for its customers. Huawei's products and solutions are deployed in over 100 countries and serve 28 of the world's top 50 operators, as well as over one billion users worldwide. For more information, please visit <http://www.huawei.com>

### **About IBM**

IBM is the world's largest information technology company, with 80 years of leadership in helping businesses innovate. IBM is the e-business infrastructure leader enabling Telecoms and Service Providers to deliver new services to their customers with faster time to market, revenue, and profit. By partnering with the top Network Equipment Providers and ISVs, IBM is providing leadership network transformation offerings around the world and helping Telecoms and their customers transform the way they do business. The fastest way to get more information about IBM is through the IBM home page at <http://www.ibm.com>. Information on IBM's telecommunications offerings can be found at [www.ibm.com/industries/telecom](http://www.ibm.com/industries/telecom)

### **About the Industrial Technology Research Institute**

The Industrial Technology Research Institute - ITRI - is a primary R&D center for industry in Taiwan. In 1973, when ITRI was founded, there was very little high-tech industry in Taiwan. Today, Taiwan is a world-class player in semiconductors, personal computers, and many other high-tech sectors. ITRI has played a significant role in this transformation.

The success of ITRI, and of Taiwan, lies in a concerted effort to move up the technology ladder. We are on constant alert to identify opportunities, formulate plans, and make steadfast effort to carry them out. ITRI seeks to address both current industrial needs and future growth. Government-sponsored funding tends to be directed towards long-range development, while contract and project work from today's industry keeps ITRI focused on what's happening right now. By recognizing and responding to the marketplace, ITRI stays ahead of the innovation curve of modern industry. For more information, please visit [www.itri.org.tw/eng/index.jsp](http://www.itri.org.tw/eng/index.jsp).

### **About Intel**

Intel is a leading supplier of communications building blocks, adding value at many levels of integration. Through continuous innovations and advancements in Ethernet connectivity and processing in the network, Intel is delivering, along with its customers and developer community, a wide choice of solutions that enable faster time to market, longer time in market and increased revenue opportunity. For more information, please visit [www.developer.intel.com](http://www.developer.intel.com)

### **About MontaVista Software**

MontaVista Software is a leading global supplier of systems software for intelligent connected devices and their associated infrastructure, for applications ranging from communications infrastructure to consumer electronics. MontaVista powers the embedded revolution by providing GNU/Linux based open-source systems software solutions. Founded in 1999 by real-time operating system (RTOS) pioneer James Ready, MontaVista Software's principal products include MontaVista™ Linux® Professional Edition and MontaVista™ Linux® Carrier Grade Edition. The Professional Edition comprises a Linux-based embedded source and binary distribution, cross development environments, and a versatile set of tools for the x86/IA-32, PowerPC, StrongARM, MIPS, SH, ARM, XScale, Xtensa and other microprocessor architectures. The Carrier Grade Edition is a next-generation high availability product that is the first Commercial Off-The-Shelf Linux (COTS) platform for telecommunications and carrier-grade applications. MontaVista Software also provides several complementary technology products addressing specific customer needs, such as Java development and runtime, powerful graphics capabilities and more.

Headquartered in the heart of Silicon Valley, in Sunnyvale, Calif., MontaVista Software is a privately held company funded by leading investors such as Alloy Ventures, US Venture Partners, RRE Ventures, WR Hambrecht + Co., IBM, Intel Capital, Panasonic and Sony Corporation. For more information about [MontaVista Software](#), please email [info@mvista.com](mailto:info@mvista.com) or call (408) 328-9200.

#### **About Motorola, Inc.**

Motorola is known around the world for innovation and leadership in wireless and broadband communications.

Through its Embedded Communications Computing business, Motorola enables network equipment providers to develop better products faster and more cost effectively.

Motorola is leading the industry-wide development of communications servers, application-ready platforms, blades and modules based on open standards such as AdvancedTCA<sup>®</sup>, MicroTCA<sup>™</sup> and SA<sup>™</sup> Forum. Our corresponding portfolio of Solution Services is designed to complement our hardware and software products, allowing you to focus on the things that you do best and helping you to keep ahead of your competitors.

Network equipment providers worldwide trust Motorola to help them drive down infrastructure costs, improve time-to-market and focus on revenue-generating applications and services. For more information about Motorola, Inc. go to <http://www.motorola.com/computing>

#### **About NEC Corporation**

NEC Corporation (NASDAQ: NIPNY) (FTSE: 6701q.1) is one of the world's leading providers of Internet, broadband network and enterprise business solutions dedicated to meeting the specialized needs of its diverse and global base of customers. Ranked as one of the world's top patent-producing companies, NEC delivers tailored solutions in the key fields of computer, networking and electron devices, through its three market-focused, in-house companies: NEC Solutions, NEC Networks and NEC Electron Devices. NEC Corporation employs more than 140,000 people worldwide and had net sales of approximately \$39 billion in the fiscal year ended March 2002. For more information, please visit [www.nec.com](http://www.nec.com).

#### **About Nokia Siemens Networks**

Nokia Siemens Networks is a leading global enabler of communications services. The company provides a complete, well-balanced product portfolio of mobile and fixed network infrastructure solutions and addresses the growing demand for services with 20,000 service professionals worldwide. The combined pro-forma revenues of €17.1bn in fiscal year 2006 make Nokia Siemens Networks one of the largest telecommunications infrastructure companies. Nokia Siemens Networks has operations in some 150 countries and is headquartered in Espoo, Finland. It combines Nokia's Networks Business Group and the carrier related businesses of Siemens Communications. For more information, please visit [www.nokiasiemensnetworks.com](http://www.nokiasiemensnetworks.com)

#### **About Nortel Networks**

Nortel Networks is transforming the way the world communicates and enriching global communications. As a worldwide supplier of networking solutions with leadership in packet, voice, optical and wireless technologies, Nortel Networks is transforming its customers networks to enable secure, personalized multimedia applications that users want and are accessible everywhere. This eliminates boundaries to productivity and growth, and creates new capabilities and revenue opportunities for service providers and enterprises. As a global company, Nortel Networks does business in more than 150 countries. For more information, please visit [www.nortel.com](http://www.nortel.com).

#### **About NTT**

NTT is a holding company of the Global Information Sharing Enterprise Group and NTT group, which consists of more than 430 companies. NTT group includes regional, long distance, international, mobile and data communications businesses. One of the important missions of NTT group is to contribute to the achievement of a ubiquitous broadband society. For more information, visit [www.ntt.co.jp/index\\_e.html](http://www.ntt.co.jp/index_e.html)

### **About Open Clovis**

Founded in 2002, OpenClovis is now the leading provider of application service platform software for AdvancedTCA, BladeCenter and Commercial-off-the-Shelf (COTS)-based systems to network equipment manufactures (NEPs) and telecommunication equipment manufactures (TEMs).

The OpenClovis fully integrated application service platform delivers high availability, with end-to-end platform and component manageability resulting in increased developer productivity, significantly reduced R&D expense, and faster time-to-market delivery.

OpenClovis customers have gained a competitive advantage in the fast moving COTS market, building their differentiated applications in the wireless infrastructure, Wimax, access equipment, base station, IPTV, military, aerospace and satellite markets. Visit [www.openclovis.com](http://www.openclovis.com) for a list of featured customers.

OpenClovis headquarters is in Petaluma, California, with a substantial R&D facility in Bangalore, India. For more information, visit [www.openclovis.com](http://www.openclovis.com).

### **About Oracle Corporation**

Oracle is the world's largest enterprise software company. For more information about Oracle, visit our Web site at [www.oracle.com](http://www.oracle.com).

### **About Performance Technologies**

Performance Technologies (Nasdaq NM: PTIX) develops systems, platforms, components and software solutions for the world's evolving communications infrastructure. Our broad customer base includes companies in the communications, commercial and military markets. Serving the industry for more than 20 years, our complete line of packet-based products enables equipment manufacturers and service providers to offer highly available and fully-managed systems with time-to-market, performance and cost advantages.

Performance Technologies is headquartered in Rochester, New York. Additional operational and engineering facilities are located in San Diego and San Luis Obispo, California; Norwood, Massachusetts and Ottawa, Canada. For more information, please visit [www.pt.com](http://www.pt.com) or contact [sales@pt.com](mailto:sales@pt.com).

### **About Pigeon Point Systems**

Pigeon Point Systems delivers world-class management components for modular platforms based on the AdvancedTCA<sup>®</sup>, AdvancedMC<sup>™</sup> and MicroTCA<sup>™</sup> architectures to leading companies, worldwide. Pigeon Point's focus on providing dependable, proven solutions for the mandatory management controllers in these architectures allows customers to concentrate on the value-add aspects of their products. Deep expertise on these architectures ensures compliance and interoperability in the Pigeon Point components.

Pigeon Point, an executive member of PICMG, is a leader in its AdvancedTCA, AdvancedMC and MicroTCA subcommittees and is active in many other technical subcommittees. Pigeon Point is also a contributing member of the Service Availability<sup>™</sup> Forum and the Communications Platform Trade Association. For more information about Pigeon Point, visit [www.pigeonpoint.com](http://www.pigeonpoint.com) or call 831-438-1565.

### **About RadiSys**

RadiSys (NASDAQ: RSYS) is the leading provider of advanced embedded solutions for the communications networking and commercial systems markets. Through intimate customer collaboration and combining innovative technologies and industry leading architecture, RadiSys helps OEMs bring better products to market faster and more economically. RadiSys products include embedded boards, platforms and systems, which are used in today's complex computing, processing and network intensive applications. For more information, please visit [www.radisys.com](http://www.radisys.com).

**About Solid Information Technology Corp.**

Solid Information Technology Corp. delivers next-generation distributed data management software. Built on a sophisticated architectural foundation, Solid's solutions power inherently distributed applications. A unique combination of relational data management and advanced synchronization, Solid technology can be used as a client/server data management system or be embedded into any network element - from today's wireless terminals and optical routers to tomorrow's smart devices. Leading companies including Avaya, Hewlett-Packard, Nokia, and Nortel and innovative start-up companies such as Turin Networks, and Lantern Communications use Solid in their solutions to build high-performance, fault-tolerant, and scalable smart networks. Solid is a privately held company with worldwide headquarters in Mountain View, Calif. The company also has regional offices in the U.S., Europe, and Japan. For more information, please visit [www.solidtech.com](http://www.solidtech.com).

**About Sun Microsystems**

Since its inception in 1982, a singular vision -- "The Network Is The Computer" -- has propelled Sun Microsystems, Inc. (Nasdaq: SUNW) to its position as a leading provider of industrial-strength hardware, software and services that make the Net work. Sun can be found in more than 100 countries. For more information, please visit <http://sun.com>.

**About Sybase**

For more information, please contact: [www.sybase.com](http://www.sybase.com)

**About TietoEnator R&D Services AB**

TietoEnator is one of the leading architects in building a more efficient information society and the largest IT services company in the Nordic countries. TietoEnator specializes in consulting, developing and hosting its customers' business operations in the digital economy. The Group's services are based on a combination of deep industry-specific expertise and latest information technology. TietoEnator has close to 14,000 experts in more than 20 countries. For more information, please visit [www.tietoenator.com](http://www.tietoenator.com) and [www.signaling.tietoenator.com](http://www.signaling.tietoenator.com).

**About UXComm**

UXComm is a leading provider of comprehensive, scalable embedded systems management solutions for telecommunications, Storage and Blade Server OEMs markets.

UXComm XTend includes both a comprehensive integrated development environment and an embeddable, Java-based, run-time execution environment. Together they provide a complete, pre-integrated solution for the rapid development, test, and implementation of extensible, unified management. XTend enables rapid development of unified management and control systems for the next generation of wireline and wireless telecom equipment, storage area networks and general-purpose blade servers. These unified, integrated solutions significantly reduce management system development costs and reduce time to market. Founded in 2001, UXComm is a privately held company headquartered in Pleasanton, California. For more information, visit [www.uxcomm.com](http://www.uxcomm.com).

**About Wind River Systems**

For more information, please contact: [www.windriver.com](http://www.windriver.com)

**About Xeround Systems**

Xeround Systems is a leading telco database management systems company. Xeround is providing carrier grade, real-time database solutions engineered for the telco market, managing massive-scale, subscriber centric real-time transaction processing. Xeround is targeting OEM relationships with first tier vendors of network control, real-time billing and other telco and IMS applications. Xeround Systems is leveraging IP concepts to build a telco specialized real-time database. Xeround is the only provider of a truly converged subscriber database enabling telco applications consolidation and network convergence.