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Objective Interface and Interpeak Collaborate to Increase Performance of Embedded Systems on a Network

Monday, January 30, 2006

--Industry Leaders Offer Integrated Communications Middleware-Networking Solution for Embedded Applications, IPv6 Compatibility also Announced

Herndon, Virginia and Stockholm, Sweden —January 30, 2006—The steady proliferation of networked embedded systems has created demand for increased performance of these systems. Today, Objective Interface Systems, the global leader in high-performance, real-time and embedded communications middleware, and Interpeak, a pioneer of Internet and networking technology for embedded systems, announced a technology integration that results in higher-performance embedded systems on a network.

In addition, Objective Interface addressed the next-generation Internet Protocol (IP) standard, IPv6, a standard that the Department of Defense (DoD) has mandated for implementation by 2008. Objective Interface's portfolio of communications middleware products will support Interpeak's IPv6 solutions, allowing engineers to create high-performance, IPv6-compliant embedded systems on a network.

Objective Interface has collaborated with Interpeak on software optimizations that enhance the performance of networked embedded applications, such as Software Defined Radio (SDR) and cellular base stations. Specifically, communications middleware products from Objective Interface, ORBexpress™ and PCSexpress™, as well as an upcoming publish-subscribe product based on the Data Distribution Service (DDS) standard, support TCP/IP stacks and modules from Interpeak—bringing higher performance to networked embedded systems. Objective Interface products will support both IPv4 and IPv6 compatibility with Interpeak's IPLITE, an embedded TCP/IP stack for IPv4/IPv6 standards, and Interpeak's IPNET, a full-featured TCP/IP stack specifically designed for embedded real-time systems.

“Objective Interface communications middleware enables programmers to simplify the development of distributed



embedded applications. It facilitates the design of scalable, portable and high-performance applications while adding virtually no overhead to the systems using our commercially available middleware products. Interpeak offers best-in-class networking solutions for embedded systems. Together, our companies provide an integrated software solution for high-performance embedded systems on any network,” said Joe Jacob, senior vice president of Objective Interface Systems. “Objective Interface and Interpeak are at the forefront of supporting the latest IP standards. Our integrated technologies support the development of high-performance IPv6-compatible networked embedded systems—years before the Department of Defense mandates IPv6 compatibility.”

“Networking your embedded systems can create a variety of problems for users,” said Johan Fornaeus, CEO of Interpeak. “Our collaboration with Objective Interface, a company renowned for its high-performance communications middleware solutions, offers users a fully optimized middleware-networking solution that improves performance, reduces development time, and increases speed-to-market.”

About IPv6

IPv6 is the next-generation Internet protocol standard, designed by the Internet Engineering Task Force ([IETF](#)) to replace the current version Internet Protocol, IP Version 4 (IPv4) standard. IPv6 was designed to compensate for the shortage of available IPv4 addresses. It also provides quality of service (QoS) benefits over IPv4, with additional improvements in the areas of routing, multicasting, security, mobility and network auto-configuration.

Objective Interface Communications Middleware

The Objective Interface portfolio of communications middleware products includes *ORBexpress* and *PCSexpress*. The company will also soon offer a publish-subscribe communications middleware product based on the DDS standard. *ORBexpress* is the world's fastest and smallest full-featured real-time ORB. Thousands of customers worldwide have used *ORBexpress* to build a better communications infrastructure in hundreds of products. Available in C++, Ada and Java, *ORBexpress* conforms to the Common Object Request Broker Architecture (CORBA) standard that enables applications in heterogeneous environments to communicate seamlessly. *PCSexpress* is based on the Partitioning Communications Systems (PCS), the Multiple Independent Levels of Security (MILS) middleware technology that was invented by Objective Interface. *PCSexpress* provides highly robust separation of data throughout a network system. It is ideally suited for security-critical applications.

Availability

The technical integration for Objective Interface *ORBexpress* and Interpeak's embedded TCP/IP solutions is available today. The technical integration for Objective Interface *PCSexpress* and the company's future publish-subscribe middleware communications product will



be available as those products come to market. For more information on Objective Interface communications middleware, please visit: www.ois.com/products, call 1 800-800-OIS7 in the U.S., +33 (0) 6 68 35 15 45 in Europe or +81 (0)3-5623-2112 in Japan or e-mail inquiries to: info@ois.com. For more information on Interpeak's embedded networking solutions, please visit: www.interpeak.com, call 703-779-7955 in the U.S. or +46 8 545 275 80 in Europe or email inquiries to: info5@interpeak.com.

About Objective Interface Systems

Objective Interface is the worldwide leader of high-performance, real-time and embedded communications middleware solutions. The company provides CORBA ORBs, publish-subscribe technology based on the Object Management Group (OMG) Data Distribution Service standard (DDS) and secure communications middleware development tools based on the MILS architecture to meet the high-performance requirements of military and aerospace, telecommunications, data communications, industrial automation and process control, transportation and consumer electronics markets. Objective Interface products are the communications core of many mission-critical products and systems including mission-critical avionics systems, network management, vehicle control and management systems, software defined radio, telecommunication systems, process control systems and nuclear fusion ignition facilities. Customers of Objective Interface include Boeing, BAE Systems, British Aerospace, CERN, Daimler-Benz, EADS, Ericsson, Eurocontrol, General Dynamics, Harris, Hughes Network Systems, ITT, Kawasaki Heavy Industries, Lawrence Livermore National Labs, Lockheed Martin, Lucent, Nikon, Nortel, Northrop Grumman, Raytheon, Rockwell Collins, Saab, Samsung, Sandia, TEAC, TRW, the U.S. Department of Defense and many others. For more information, please visit: www.ois.com.

About Interpeak

Interpeak provides state-of-the-art networking solutions specifically designed for embedded systems. Interpeak's products include various drop-in solutions for networking applications, such as gateways, network storage, edge routers, mobile phones, home access devices, wireless networks, digital media, and others. The company's embedded networking software is currently used in thousands of applications across the globe. Its customers span the telecommunications and data communications markets. Headquartered in Stockholm, Sweden, Interpeak operates through a global network of distribution channels and has its own sales and field application force dispersed in strategic locations worldwide, including the USA, Japan, and Europe. For more information about Interpeak's networking products, please visit www.interpeak.com.

ORB*express* and PCS*express* are trademarks of Objective Interface Systems. All other product and company names are trademarks or registered trademarks of their respective holders.

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Source: IPv6 Information Page at: <http://www.ipv6.org/>

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