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## **Tundra Semiconductor Tsi578™ Serial RapidIO Switch Passes RIOLAB™ Level 1 Device Interoperability Test**

***DIL-1 Qualified Device enables OEM customers to reduce design risk and time-to-market.***

**Ottawa, Canada – March 7, 2007** – RIOLAB™, a division of Fabric Embedded Tools Corporation and the world's only independent RapidIO® interoperability testing facility, today announced that the Tundra Semiconductor Tsi578™ Serial RapidIO switch is a Device Interoperability Level 1 (DIL-1) Qualified Device, having successfully passed DIL-1 testing against all other vendor devices in the RIOLAB hardware library.

"Ensuring that the Tsi578 is a DIL-1 Qualified Device is a key step in demonstrating Tundra's commitment to delivering proven technology that helps OEMs improve system performance and reliability," said Jim Parisien, President of Fabric Embedded Tools.

RIOLAB tests, based on the RapidIO Trade Association's "RapidIO Device Interoperability and Specification Compliance Checklists, 1.3 Spec," address the graduated levels of interoperability that align with the increasing complexity of both the RapidIO specification and the needs of silicon vendors and OEMs.

DIL-1 tests essentially verify support for initialization, enumeration and basic read and write packet transactions. In DIL-1 testing, the device-under-test is tested against the entire RIOLAB hardware library for both request and response level transactions, with an emphasis on the reliability of interaction between devices.

"The Tsi578 is being deployed by Tier 1 communications and embedded computing OEMs, both within system designs and in backplane architecture, enabling higher bandwidth applications, where reliability and performance are critical," said Daniel Hoste, president and chief executive officer, Tundra Semiconductor.

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“Launched in 2006, the Tsi578 works seamlessly with a number of FPGA, DSP and microprocessor endpoints and system OEMs are already benefiting from this interoperability. The RIOLAB DIL-1 qualification provides the growing ecosystem the additional assurance that the switch has successfully passed independent interoperability testing,” added, Mr. Hoste.

The Tundra Semiconductor Tsi578 is an 8/16 port Serial RapidIO switch with links independently configurable at 1 Gbps to 10 Gbps of data rate. The Tsi578 is ideally suited for DSP, FPGA, ASIC and processor aggregation on line cards as well as backplane switching in a number of markets including wireless and wireline communications infrastructure, storage equipment, video processing and military signal processing.

#### **About Tundra Semiconductor**

Tundra Semiconductor Corporation (TSX:TUN) supplies the world’s leading communications, computing and storage companies with smart System Interconnect products and design services backed by world-class customer service and technical support. Tundra’s track record of product leadership includes over a decade of bridges and switches enabling key industry standards: RapidIO®, PCI, PCI-X, PCI Express®, PowerPC®, VME, HyperTransport™, Interlaken, and SPI4.2. Tundra’s products deliver high functional quality and simplified board design and layout, with specific focus on system level signal integrity. Tundra's design services division, Silicon Logic Engineering, Inc., offers industry-leading ASIC and FPGA design services, semiconductor intellectual property and product development consulting. Tundra’s smart technology connects critical components in high performance embedded systems around the world. For more information, please visit [www.tundra.com](http://www.tundra.com).

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### **About Fabric Embedded Tools**

Fabric Embedded Tools Corporation (<http://www.fetcorp.com>) is the leading provider of RapidIO software, network management and diagnostic tools. The company delivers innovative solutions that shorten product development and testing cycles, and are key to reducing technology risks and time-to-market. Through its unwavering commitment to delivering powerful, time-saving tools and services, excellence in customer support, and strong partner relationships, FET meets the needs of semiconductor vendors, single board computer vendors, and OEMs across the embedded industry.

A division of Fabric Embedded Tools, RIOLAB ([www.riolab.com](http://www.riolab.com)), is a state-of-the-art RapidIO interoperability testing facility that provides device interoperability and specification compliance reports that meet the growing needs of silicon vendors and OEMs designing with RapidIO technology. The lab is the only facility in existence that provides commercial semiconductor vendors, FPGA and ASIC manufacturers with an unbiased common vehicle for demonstrating device interoperability and specification compliance to the RapidIO standard.

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