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## Part 2 of OCP-IP's Network On Chip Benchmarking Specification Released to Member Review

**BEAVERTON, Ore. — May 27, 2008** — OCP-IP today announced that Part Two of the **Network On Chip (NoC) Benchmarking** specification is released to member review. Part One of the NoC spec was published in March 2008. The release of Part Two completes the entire specification for benchmarking NoCs and facilitates the development of a benchmark suite.

Part Two contains sections on **Architecture Definition, Traffic Configuration, Measurement and the Micro-Benchmarks Set**. **Architecture definition** covers the topics of **NoC model under evaluation, communication entities: transaction, transfer and packet, and standard communication interfaces**. **Traffic Configurations** discusses temporal and spatial distributions of NoC traffic data for performance evaluation. The **Measurement** section details workload and metrics. Finally, the **Micro-Benchmarks Set** section covers naming conventions for micro-benchmarks, and micro-benchmarks implementations.

This specification was completed with the collaboration of a number of world's most prestigious universities working on NoC research including: **University of British Columbia, Carnegie Mellon University, Royal Institute of Technology, Tampere University of Technology and Washington State University** and was supported by cooperation and participation of industry members from the **OCP-IP NoC Benchmarking Working Group (NoC BWG)**. These companies include: **GreenSocs, Nokia, Sonics, Synopsys, Texas Instruments, and Toshiba**. For the latest information on the work of this group please see the OCP-IP newsletter at <http://www.ocpip.org/pressroom/newsletters/>

Members wishing to review and comment on part two of the NoC spec or join the OCP-IP NoC Benchmarking Working Group are invited to immediately contact [admin@ocpip.org](mailto:admin@ocpip.org). To download a free copy of OCP-IP's white paper discussing the topic of NoC Benchmarking, visit <http://www.ocpip.org>

### About OCP-IP

The OCP International Partnership Association, Inc. (OCP-IP), formed in 2001,

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promotes and supports the Open Core Protocol (OCP) as the complete socket standard ensuring rapid creation and integration of interoperable virtual components. OCP-IP's Governing Steering Committee participants include: Nokia [NYSE: NOK], Sonics Inc., Synopsys [SNPS], Texas Instruments [NYSE: TXN], and Toshiba Semiconductor Group (including Toshiba America TAEC). OCP-IP is a non-profit corporation delivering the first fully supported, openly licensed, core-centric protocol comprehensively fulfilling system-level integration requirements. The OCP facilitates IP core reusability and reduces design time, risk, and manufacturing costs for SoC designs. For additional background and membership information, visit [www.OCP-IP.org](http://www.OCP-IP.org).

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