



Mercury Computer Systems Joins Xilinx Corporation in Open Core Protocol International Partnership

CHELMSFORD, Mass — October 24, 2005 — Mercury Computer Systems, Inc. (NASDAQ: MRCY), announced today it has joined Xilinx Corporation in membership to the Open Core Protocol International Partnership (OCP-IP), to help evolve the standard in support of FPGA -based system designs.

The OCP-IP is dedicated to proliferating a common standard for intellectual property (IP) core interfaces, or sockets, which facilitate "plug and play" System-on-Chip (SoC) design. Formed in 2001, OCP-IP is a non-profit corporation that facilitates IP core reusability and reduces design time, risk, and manufacturing costs for SoC designs.

Historically, customers who wish to interconnect IP cores have been burdened with the creation and maintenance of proprietary hardware APIs (application programming interfaces) to support the connection. Adherence to the standard interfaces defined by OCP is expected to enable Mercury customers to seamlessly integrate Xilinx and other third-party IP cores into their FPGA designs, with particular emphasis on reuse and verification.

OCP-IP interfaces add value by providing a platform that brings together a wide range of applications and architectures. Mercury and Xilinx intend to extend this proven technology, which has already been used extensively in the ASIC/SoC space, to their FPGA customers.

For more information on OCP-IP, visit www.ocpip.org.

About Mercury Computer Systems, Inc.

Mercury Computer Systems, Inc. (NASDAQ: MRCY) is the leading provider of high-performance embedded, real-time digital signal and image processing solutions. Mercury's solutions play a critical role in a wide range of applications, transforming sensor data to information for analysis and interpretation. In military reconnaissance and surveillance platforms the Company's systems process real-time radar, sonar, and signals intelligence data. Mercury's systems are also used in state-of-the-art medical diagnostic imaging devices including MRI, PET, and digital X-ray, and in semiconductor imaging applications including photomask generation and wafer inspection. Mercury provides advanced 3D image processing and visualization software and optimized systems to diverse end markets including life sciences, geosciences, and simulation. The Company also provides radio frequency (RF) products for enhanced communications capabilities in military and commercial applications.

Based in Chelmsford, Massachusetts, Mercury serves customers in North America, Europe and Asia through its direct sales force and a network of subsidiaries and distributors. Visit Mercury on the web at www.mc.com

Forward-Looking Safe Harbor Statement

This press release contains certain forward-looking statements, as that term is defined in the Private Securities Litigation Reform Act of 1995, including those relating to the Open Core Protocol International Partnership (OCP-IP) and to Xilinx Corporation. You can identify these statements by our use of the words "may," "will," "should," "plans," "expects," "anticipates," "continue," "estimate," "project," "intend," and similar expressions. These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those projected or anticipated. Such risks and uncertainties include, but are not limited to, general economic and business conditions, including unforeseen weakness in the Company's markets, effects of continued geopolitical unrest and regional conflicts, competition, changes in technology, and methods of marketing, delays in completing engineering and manufacturing programs, changes in customer order patterns, changes in product mix, continued success in technological advances and delivering technological innovations, continued funding of defense programs, the timing of such funding, changes in the U.S. Government's interpretation of federal procurement rules and regulations, market acceptance of the Company's products, shortages in components, production delays due to performance quality issues with outsourced components, and inability to fully realize the expected benefits from acquisitions or

delays in realizing such benefits, challenges in integrating acquired businesses, and achieving anticipated synergies, and difficulties in retaining key customers. These risks and uncertainties also include such additional risk factors as are discussed in the Company's recent filings with the U.S. Securities and Exchange Commission, including its Annual Report on Form 10-K for the fiscal year ended June 30, 2005. The Company cautions readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. The Company undertakes no obligation to update any forward-looking statement to reflect events or circumstances after the date on which such statement is made.

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