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Mercury Computer Systems to Deliver OpenVPX-Based Signal Processing Solution for Global Radar System Upgrade

Multimillion-dollar technology insertion will provide increased functionality; reduce size, weight and power consumption; and enable unprecedented software portability

CHELMSFORD, Mass., Oct. 26 /PRNewswire-FirstCall/ -- Mercury Computer Systems, Inc. (NASDAQ: MRCY, www.mc.com), a leading provider of embedded computing systems and software for image, sensor, and signal processing applications, announced it received a multimillion-dollar system order from a leading defense supplier for its global radar upgrade program.

(Photo: *http://www.newscom.com/cgi-bin/prnh/20091026/NE98714*)

Mercury will deliver a complete signal processing solution employing its OpenVPX™-compliant Ensemble™ 6000 Series products. In addition, Mercury's Services and Systems Integration organization is providing comprehensive professional services aimed at the development, validation, and qualification of the complete subsystem for this ground-based defense system.

Mercury's innovative multi-plane architecture simplified the system design while supporting scalability and facilitating interoperability between the different elements in the system. Leveraging the design principles of the OpenVPX System Specification, Mercury is able to deliver superior signal processing capability in a heterogeneous environment overlaid with a robust systems management infrastructure.

Mercury's commitment to performance migration through software portability protected the Customer's investment in radar processing software while providing significant performance enhancements -- without the need to rearchitect the Customer's application. Moreover, Mercury will support the Customer's Quick Reaction Capability (QRC) by delivering an integrated OpenVPX-based architecture in less than 10 months, with low-rate initial production in just under 16 months.

"The Customer is focused on leveraging standards-based architectures while meeting their customers' increasing demands for more warfighting capability, more rapidly, and at lower cost," said Didier Thibaud, General Manager of Advanced Computing Solutions at Mercury. "Mercury's standards-based road map and software portability, combined with our renowned expertise in the development, interoperability, and optimization of embedded signal processing systems, clearly position us as the partner of choice for this vital upgrade."

Visit www.mc.com/openvpx/solutions or contact Mercury at (866) 627-6951 to receive a comprehensive white paper on multi-plane architectures in high-end embedded defense systems. For more information on Mercury's broad range of OpenVPX-compliant products, visit www.mc.com/openvpx.

Mercury Computer Systems, Inc. -- Where Challenges Drive Innovation™

Mercury Computer Systems (www.mc.com, NASDAQ: MRCY) provides embedded computing systems and software that combine image, signal, and sensor processing with information management for data-intensive applications. With deep expertise in optimizing algorithms and software and in leveraging industry-standard technologies, we work closely with customers to architect comprehensive, purpose-built solutions that capture, process, and present data for defense electronics, semiconductor equipment manufacturing, commercial computing, homeland security, and other computationally challenging markets. Our dedication to performance excellence and collaborative innovation continues a 25+-year history in enabling customers to gain the competitive advantage they need to stay at the forefront of the markets they serve.

Mercury is based in Chelmsford, Massachusetts, and serves customers worldwide through a broad network of direct sales offices, subsidiaries, and distributors.

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 customer order and Mercury products and services described herein. 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 geo-political 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, 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, 2009. 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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