



September 16, 2010

Mercury Computer Systems Continues to Expand Electronic Warfare Solutions with Offerings for Active EW Domain

OpenVPX-based Platform Enables Faster Deployment of Detect and Jam Solutions

CHELMSFORD, Mass., Sep 16, 2010 (BUSINESS WIRE) -- Mercury Computer Systems, Inc. (NASDAQ: MRCY, www.mc.com), a trusted ISR subsystems provider, announced that it is bringing to market an open, standards-based solution for the Active Electronic Warfare (EW) domain. The Mercury offering exploits the multi-plane capabilities and open standard characteristics of OpenVPX™, implemented in a 6U form factor to deliver maximum flexibility and performance for both ground mobile and fixed ground platforms. Customization, integration and test services are available to support layering an application onto the 6U modules for faster time to market and deployment of new Active EW capabilities.

"We are pleased to be able to expand our capabilities in the EW space," said Randy Dean, Vice President of Product Line Management at Mercury Computer Systems, Inc. "For example; one new module is specifically configured to deliver low-latency control processing in a multi-plane architecture for Active EW applications. Another module is configured to support XMCs for RF tuning, A/D conversion and D/A conversion, providing those cards with a high bandwidth, subsystem interface. The XMCs are optimized for low power to maximize SWaP constraints," Dean added.

Implementing an Active EW solution requires that several steps are tightly synchronized so that they can operate together in nearly-instantaneous real-time. These steps are to first detect the enemy signal, then identify both its operational bandwidth and physical location, and finally to transmit a signal that will either confuse the enemy or prevent his actions. What this requires from a signal processing subsystem is first, very fast RF tuning, then digital receivers supporting a high level of signal integrity, and lastly the ability to transmit a range of digitally controlled RF signals. Because these Active EW systems must be deployable in a variety of situations, they must be configurable for deployment on different types of platform, under different kinds of environmental conditions, as well as meeting a range of size, weight and power (SWaP) requirements.

The need for these types of solutions is driven by conditions on the modern battlefield, where defeating enemy threats and protecting our warfighters sometimes requires sophisticated capabilities. Active EW systems can be used to counter Improvised Explosive Devices (IEDs) and missiles that rely on radar-based targeting.

For more information on Mercury's performance advantage in delivering leading-edge, open-architecture computing systems and services, visit <http://www.mc.com%2Fproducts%2Fservices.aspx>, or contact Mercury at (866) 627-6951 or info@mc.com.

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

Mercury Computer Systems (<http://www.mc.com>, NASDAQ: MRCY) is a best of breed provider of open, application-ready, multi-INT subsystems for the ISR market. With 25+ years' experience in embedded computing, superior domain expertise in radar, EW, EO/IR, C4I, and sonar applications, and more than 300 successful program deployments including Aegis, Global Hawk, and Predator, Mercury's Services and Systems Integration team leads the industry in partnering with customers to design and integrate system-level solutions that minimize program risk, maximize application portability, and accelerate customers' time to market.

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 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 divestitures or delays in realizing such benefits, challenges in integrating acquired businesses and achieving anticipated synergies, changes to export regulations, increases in tax rates, changes to generally accepted accounting principles, difficulties in retaining key employees and customers, unanticipated costs under fixed-price service and system integration engagements, and various other factors beyond our control.. 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, 2010. 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.

Challenges Drive Innovation is a registered trademark of Mercury Computer Systems, Inc. OpenVPX is a trademark of VITA. Other product and company names mentioned may be trademarks and/or registered trademarks of their respective holders.

SOURCE: Mercury Computer Systems, Inc.

Mercury Computer Systems, Inc.
Robert McGrail, 978-967-1366
Director of ACS Marketing & Corporate Communications
rmcgrail@mc.com