November 7, 2011

Mercury Computer Systems Announces Unique, Customizable Digital Storage Capabilities for Defense and Commercial Applications

New storage architecture serves as the foundation for the industry's first rugged, 96 terabyte Digital Storage Unit for anadvanced ISR system

CHELMSFORD, Mass., Nov 07, 2011 (BUSINESS WIRE) -- Mercury Computer Systems, Inc. (NASDAQ: MRCY, http://www.mc.com), a trusted provider of commercially developed application-ready ISR subsystemsfor defense prime contractors, announced breakthrough capabilities for digital storage in embedded mobile applications. Sophisticated new sensors, which generate tremendous amounts of data in commercial and defense applications, have created an unprecedented need to store data on platforms for processing, exploitation and dissemination (PED) or post-mission forensics. Working closely with customers, Mercury's Services and Systems Integration (SSI) team created an innovative Digital Storage Unit that leverages standard solid-state storage disks (SSDs) and designs customized to meet each application's specific capacity, size, weight and power (SWaP), redundancy and security requirements.

"The explosion in both the number of sensors and amount of data they generate is driving the need for larger-capacity embedded storage solutions in both commercial and defense applications," said Didier Thibaud, senior vice president and general manager of Mercury Computer Systems' Advanced Computing Solutions business unit. "Mercury's new storage architecture is an adaptable solution that meets this need and accelerates time-to-market for mobile imaging applications by significantly reducing subsystem development time. Using this innovative approach, Mercury helped our customer deploy the industry's first rugged, 96 terabyte storage system in just 12 weeks."

The concept of operations (CONOPS) for defense applications such as ground mobile vehicle surveillance and wide-area aerial surveillance require massive amounts of embedded storage that is critical to both on-demand and forensic data analysis. In addition, commercial applications like in-flight entertainment systems that deliver customizable audio and video programming to passengers, scientific research such as geological surveys, earthquakes and plate tectonics studies, and weather studies that provide vital information for understanding and predicting hurricanes, tornadoes and other storms, rely on massive amounts of data collected by advanced sensors.

Until now, systems fell short of meeting the escalating storage demands, both in terms of data capacity and SWaP constraints. Because Mercury's storage architecture is based on a modular approach that uses standard SSDs, capacity can be sized to exacting requirements within platform constraints. Mercury's Digital Storage Units are optimized for SWaP, performance, environmental, vibration and temperature requirements and can be tailored to meet a variety of interface demands. In addition, the highly configurable design simplifies customization and provides a stable upgrade path for future needs.

For more information on Mercury's Digital Storage Units, visit mc.com/storage, 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, commercially developed, application-ready, multi-INT subsystems for defense prime contractors. With more than 30 years of 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 (SSI) 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 provided for the products and services described above. You can identify these statements by the use of the words "may," "will," "could," "should," "plans," "expects," "anticipates," "continue," "estimate," "project," "intend," "likely," "probable, "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, inability to fully realize the expected benefits from acquisitions and 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 filings with the U.S. Securities and Exchange Commission, including its Annual Report on Form 10-K for the fiscal year ended June 30, 2011. 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, Ensemble and Echotek are registered trademarks and Application Ready Subsystem and ARS are trademarks of Mercury Computer Systems, Inc. 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, +1 978-967-1366
Director of Corporate Communications
rmcgrail@mc.com