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Mercury Computer Systems Introduces First 16 GHz Digital Frequency Discriminator with Phase Modulation on Pulse Detection

Detector provides critical highly accurate data instantaneously for use in homeland security and defense operations

WASHINGTON, Nov 10, 2011 (BUSINESS WIRE) --

Mercury Computer Systems, Inc. (NASDAQ: MRCY, www.mc.com), a trusted provider of commercially developed ISR subsystems for defense prime contractors, will debut its new FM021814 digital frequency discriminator (DFD) with phase modulation on pulse (PMOP) detection at the 48th Annual AOC International Symposium and Convention November 13 - 16 in Washington, DC. This detector uniquely blends the ability to generate phase and frequency information data streams, providing highly reliable and accurate information instantaneously. Mercury's Microwave and Digital Solutions group is a leader in software-defined, Application Ready Subsystems™ (ARS™) that detect, deceive and defeat hostile signals on land, at sea and in the air.

"Radar warning, electronic counter measures (ECM) and electronics intelligence (ELINT) systems rely on critical measurements to identify threats, map the electronic battlefield and ultimately implement deceptive countermeasures," said Art Humason, technical director at Mercury Computer Systems. "Mercury leveraged more than 30 years of expertise in analog, mixed signal and digital technologies to integrate two critical measurements into this new broadband detector. The measurements provide precise information in near real-time, significantly improving the ability to anticipate threats and protect our warfighters."

Mercury's digital frequency discriminators provide a compelling competitive advantage in terms of performance, size and cost for critical defense applications. The new FM021814 monitors the entire 2.0 to 18.0 GHz band (a full 16 GHz) instantaneously and measures the frequency of pulses as short as 50 ns, with an RMS frequency accuracy of <3.0 MHz. Phase data can be sampled "on command" at 80 MHz with 8-bit resolution or delivered as continuously streaming information at 40 MHz. Streaming data allows users to detect PMOP with extremely low latency, while buffered data allows the user to analyze the information with greater resolution and accuracy.

For more information on this product and other microwave solutions, visit Mercury at AOC in Booth #1323, online at http://mc.com/products/microwave-rf/, or contact Mercury at (866) 627-6951 or info@mc.com.

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

Mercury Computer Systems (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 over 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 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.

SOURCE: Mercury Computer Systems, Inc.

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