



March 31, 2009

Mercury Computer Systems Announces Redemption of \$5.3 Million Remaining Outstanding Balance of 2% Convertible Senior Notes Due 2024

CHELMSFORD, Mass., March 31, 2009 /PRNewswire-FirstCall via COMTEX/ -- Mercury Computer Systems, Inc. (www.mc.com, NASDAQ: MRCY) announced that it is exercising its right to redeem the remaining outstanding balance of \$5,312,000 of its 2% Convertible Senior Notes due May 1, 2024 (the "Notes"). The Notes will be redeemed on May 1, 2009 at a redemption price equal to 100% of the principal amount, together with interest accrued to the Redemption Date. The redemption is being made solely pursuant to Mercury Computer Systems' Notice of Full Optional Redemption dated March 31, 2009, which will be delivered to the holders of the Notes by U.S. Bank, the trustee under the indenture governing the Notes.

The Notes may be converted at any time before the close of business on April 30, 2009, in accordance with the terms set forth in the indenture and the Notes. Questions regarding the redemption or requests for copies of the redemption notice should be directed to U.S. Bank, the trustee under the indenture governing the Notes, at U.S. Bank Corporate Trust Services, 60 Livingston Avenue, 1st Fl - Bond Drop Window, St. Paul, MN 55107, Attention: Bondholder Communications, or 1-800-934-6802.

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, homeland security, and other computationally challenging commercial 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.

Contact:
Robert Hult, SVP and Chief Financial Officer
Mercury Computer Systems, Inc.
978-967-1990

SOURCE Mercury Computer Systems, Inc.

www.mc.com