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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549**

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**FORM 8-K**

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**CURRENT REPORT**

**PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934**

**Date of report (Date of earliest event reported): December 30, 2011**

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**Mercury Computer Systems, Inc.**

(Exact Name of Registrant as Specified in Charter)

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**Massachusetts**  
(State or Other Jurisdiction  
of Incorporation)

**000-23599**  
(Commission  
File Number)

**04-2741391**  
(IRS Employer  
Identification No.)

**201 Riverneck Road, Chelmsford, Massachusetts 01824**  
(Address of Principal Executive Offices) (Zip Code)

**Registrant's telephone number, including area code: (978) 256-1300**

**Not Applicable**

(Former Name or Former Address, if Changed Since Last Report)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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## Forward-Looking Statement Disclaimer

This Current Report on Form 8-K contains certain forward-looking statements. You can identify these statements by the 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, the 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 various other factors beyond the Company’s 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.

### Item 2.01. Completion of Acquisition or Disposition of Assets.

As previously announced, on December 22, 2011, Mercury Computer Systems, Inc. (“Mercury”) and King Merger Inc., a newly formed, wholly-owned subsidiary of Mercury (the “Merger Sub”), entered into an Agreement and Plan of Merger (the “Merger Agreement”) with KOR Electronics (“KOR”), and Shareholder Representative Services LLC, as the securityholders’ representative. On December 30, 2011, the transaction closed with the Merger Sub being merged with and into KOR with KOR continuing as the surviving company and a wholly-owned subsidiary of Mercury (the “Merger”). By operation of the Merger, Mercury acquired both KOR and its wholly-owned subsidiary, Paragon Dynamics, Inc. (“PDI”).

The information set forth in Item 1.01 of Mercury’s Current Report on Form 8-K filed on December 27, 2011 is incorporated in this Item 2.01 by reference.

### Item 7.01 Regulation FD Disclosure.

On December 30, 2011, Mercury issued a press release announcing the closing of the acquisition of KOR and PDI. The press release is furnished as Exhibit 99.1 hereto. The information provided in Item 7.01 of this Current Report on Form 8-K and in the attached Exhibit 99.1 shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

### Item 9.01 Financial Statements and Exhibits.

(a) Mercury intends to file the required *pro forma* and historical consolidated financial statements for KOR by an amendment on Form 8-K/A not later than 71 calendar days after the date on which this initial report on Form 8-K is required to have been filed.

(d) Exhibits

<u>Exhibit No.</u>	<u>Description</u>
99.1	Press Release, dated December 30, 2011, of Mercury Computer Systems, Inc.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Dated: December 30, 2011

MERCURY COMPUTER SYSTEMS, INC.

By: /s/ Gerald M. Haines II

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Gerald M. Haines II  
Senior Vice President, Corporate Development

**Exhibit Index**

<u>Exhibit No.</u>	<u>Description</u>
99.1	Press Release, dated December 30, 2011, of Mercury Computer Systems, Inc.



## News Release

FOR IMMEDIATE RELEASE

### Mercury Computer Systems Completes Acquisition of KOR Electronics and Paragon Dynamics

**CHELMSFORD, Mass. – December 30, 2011** – Mercury Computer Systems, Inc. (NASDAQ: MRCY, [www.mc.com](http://www.mc.com)), a trusted provider of commercially developed application-ready ISR subsystems for defense prime contractors, today announced that it has completed its acquisition of KOR Electronics (KOR) and its wholly owned subsidiary, Paragon Dynamics, Inc. (PDI). The all-cash transaction closed on December 30, 2011.

For more information, visit [mc.com/KOR](http://mc.com/KOR).

#### About KOR Electronics

KOR Electronics is a leading supplier of system level solutions to the worldwide Defense and Intelligence communities. KOR is headquartered in Cypress, CA and with principal locations in Aurora, CO, and Rome, NY.

#### About Mercury Computer Systems, Inc. – Where Challenges Drive Innovation®

Mercury Computer Systems ([www.mc.com](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 Electronics 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 acquisition of KOR Electronics and the subsequent integration of, and the expected synergies from, the acquisition. 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

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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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*Contact:*

Robert Hult, CFO  
Mercury Computer Systems, Inc.  
978.967.1990

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