MERCURY COMPUTER SYSTEMS INC Form S-8 POS February 04, 2008

As filed with the Securities and Exchange Commission on February 4, 2008

Registration No. 333-101993

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

POST-EFFECTIVE AMENDMENT NO. 2 TO

FORM S-8

REGISTRATION STATEMENT

UNDER

THE SECURITIES ACT OF 1933

MERCURY COMPUTER SYSTEMS, INC.

(Exact Name of Registrant as Specified in its Charter)

Massachusetts (State of Incorporation)

04-2741391 (I.R.S. Employer Identification Number)

199 Riverneck Road

Chelmsford, Massachusetts 01824

(978) 256-1300

(Address of Principal Executive Offices)

MERCURY COMPUTER SYSTEMS, INC.

1997 STOCK OPTION PLAN

(Full Title of the Plan)

Anthony J. Medaglia, Jr.

Goodwin Procter LLP

Exchange Place

Boston, Massachusetts 02109

(617) 570-1000

(Name, Address and Telephone Number, Including Area Code, of Agent for Service)

EXPLANATORY NOTE

Mercury Computer Systems, Inc. (the Company) is filing this post-effective amendment to deregister certain of the securities originally registered pursuant to the Registration Statement on Form S-8 (File No. 333-101993), filed with the Securities and Exchange Commission on December 19, 2002 (the Registration Statement) with respect to shares of the Company s common stock, par value \$0.01 per share (Common Stock), thereby registered for issuance under the Company s 1997 Stock Option Plan, as amended (the 1997 Plan). An aggregate of 4,000,000 shares of Common Stock were registered for issuance under the 1997 Plan pursuant to the Registration Statement.

On November 14, 2005, the Company s shareholders approved the Company s 2005 Stock Incentive Plan (the 2005 Plan), which replaced the 1997 Plan as of the date of approval. Following the approval of the 2005 Plan, no future awards may be made under the 1997 Plan. The maximum number of shares of Common Stock reserved and available for issuance under the 2005 Plan includes the shares available for grant under the 1997 Plan as of the effective date of the 2005 Plan, plus the number of shares underlying any grants previously made under the 1997 Plan that are forfeited, canceled or terminated (other than by exercise) from and after the effective date of the 2005 Plan. The total number of shares available for grant under the 1997 Plan as of the effective date of the 2005 Plan was 1,942,264 shares. Additional shares (the Additional Carried Forward Shares) have been included in the shares reserved for issuance under the 2005 Plan as a result of the forfeiture, cancellation or termination (other than by exercise) of previously-made grants under the 1997 Plan. The Additional Carried Forward Shares included 2,392,245 shares registered under the Registration Statement, which were deregistered pursuant to Post-Effective Amendment No. 1 to the Registration Statement filed on November 30, 2006. The Additional Carried Forward Shares also include an additional 229,978 shares registered under the Registration Statement, which are hereby deregistered.

Contemporaneously with the filing of this Post-Effective Amendment No. 2 to the Registration Statement, the Company is filing a Registration Statement on Form S-8 to register an additional 229,978 shares of Common Stock for issuance pursuant to the 2005 Plan.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Post-Effective Amendment No. 2 to the Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the town of Chelmsford, the Commonwealth of Massachusetts on this 4th day of February, 2008.

MERCURY COMPUTER SYSTEMS, INC.

By: /s/ Robert E. Hult Robert E. Hult

Senior Vice President and

Chief Financial Officer

Pursuant to the requirements of the Securities Act of 1933, this Post-Effective Amendment No. 2 to the Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
/s/ James R. Bertelli	Chairman of the Board	February 4, 2008
James R. Bertelli	of Directors	
/s/ Mark Aslett	President, Chief Executive Officer and Director (Principal Executive Officer)	February 4, 2008
Mark Aslett		
/s/ Robert E. Hult	Senior Vice President and Chief Financial Officer (Principal Financial and Principal Accounting Officer)	February 4, 2008
Robert E. Hult		
/s/ Gordon B. Baty	Director	February 4, 2008
Gordon B. Baty		
/s/ Albert P. Belle Isle	Director	February 4, 2008
Albert P. Belle Isle		
/s/ George W. Chamillard	Director	February 4, 2008
George W. Chamillard		
/s/ Russell K. Johnsen	Director	February 4, 2008
Russell K. Johnsen		
/s/ Sherman N. Mullin	Director	February 4, 2008
Sherman N. Mullin		

/s/ Lee C. Steele	Director	February 4, 2008
Lee C. Steele		
/s/ Vincent Vitto	Director	February 4, 2008
Vincent Vitto		
/s/ Richard P. Wishner	Director	February 4, 2008
Richard P. Wishner		

EXHIBIT INDEX

Exhibit No.	Description
23.1	Consent of KPMG LLP
23.2	Consent of PricewaterhouseCoopers LLP