FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
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hours per response:

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* THIBAUD DIDIER M C					MI	2. Issuer Name and Ticker or Trading Symbol MERCURY COMPUTER SYSTEMS INC [MRCY]								(Che	ck all app Direc	olicable)		Ssuer Owner (specify
(Last) 201 RIVI	Last) (First) (Middle)					3. Date of Earliest Transaction (Month/Day/Year) 02/15/2012								X	belo	w) ``	GM, ACS	
(Street) CHELMS (City)	SFORD M		01824 Zip)		4. If	If Amendment, Date of Original Filed (Month/Day/Year)							6. Ind Line)	Forn Forn	al or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
		Tabl	e I - No	n-Deriv	ative	Sec	uritie	s Ac	quired,	Dis	posed o	f, or E	3ene	ficially	/ Owne	ed		
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da					Execution Date,		3. Transaction Code (Instr. 5) 4. Securit Disposed 5)					Secur Benef	icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
									Code	v	Amount	(A) or (D)		Price	Transaction(s) (Instr. 3 and 4)			(1130.4)
Common Stock 02/15/2					/2012	2012		A		14,000	(1) A		\$0.00	178,494		D		
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																		
1. Title of Derivative Security (Instr. 3)	Derivative Conversion Date Execution Date Security or Exercise (Month/Day/Year) if any			Date,	Code (Instr.		n of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		r. 3	Price of rivative curity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	or Numl of Share	oer				

Explanation of Responses:

1. These shares of restricted stock vest in four equal annual installments beginning on February 15, 2013.

Charles A. Speicher, Attorney- 02/15/2012 in-fact

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.