FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-028								
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0.5

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

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*  SKALABRIN MARK F					MI	2. Issuer Name and Ticker or Trading Symbol  MERCURY COMPUTER SYSTEMS INC  MRCY									5. Relationshi (Check all app Direc		licable) tor	10%	ó Owner	
(Last) (First) (Middle) 199 RIVERNECK ROAD					3. Date of Earliest Transaction (Month/Day/Year) 11/05/2007									X Officer (give title Other (specify below)  Sr VP & GM ACS						
(Street)  CHELMSFORD MA  01824  (City) (State) (Zip)					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									. Individ ine) X	Form	ual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
		Tabl	e I - Noi	n-Deriv	ative	Se	curitie	s Acc	quired,	Dis	posed o	f, or	Ben	efici	ally O	wne	ed			
1. Title of Security (Instr. 3)  2. Transac Date (Month/Da					Execu ay/Year) if any		Deemed ecution Date, any onth/Day/Year)		Transaction Dispos Code (Instr. 5)		rities Acquired (A) ed Of (D) (Instr. 3, 4			4 and Sec Ber Ow		ount of ties cially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect		
									Code	v	Amount	(	A) or D)	Price			action(s) 3 and 4)		(111511.4)	
Common Stock 11/05/					/2007	2007			S <sup>(1)</sup>		401		D	\$14	4.86		7,729	D		
Common Stock 11/05/				/2007				S <sup>(1)</sup>		99		D	\$14	.89	97,630		D			
		Та									sed of, onvertib				y Ow	ned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution I if any (Month/Day	Date, Transaction Code (Ins					6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		str. 3	8. Pric Deriva Securi (Instr.	vative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)	
				Cc	Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	or Nur of	ount nber ares	r					

## **Explanation of Responses:**

1. The sale reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by Mr. Skalabrin on May 10, 2007.

<u>Alex Braverman, Attorney-in-fact</u>

11/05/2007

\*\* Signature of Reporting Person Da

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.