FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OWR APPRO	VAL
OMB Number:	3235-0287
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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* BASSETT STEPHEN G						2. Issuer Name and Ticker or Trading Symbol <u>AXCELIS TECHNOLOGIES INC</u> [ACLS]									Check all ap Dire			ssuer Owner (specify
(Last) (First) (Middle) 108 CHERRY HILL DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 02/11/2005									X belo			
(Street) BEVERLY MA 01915 (City) (State) (Zip)					4. If Amendment, Date of Original Filed (Month/Day/Year)									ne) X For For	ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
		Tabl	e I - Non	-Deriv	ative	Se	curitie	s Ac	quired,	Dis	osed o	f, or	Bene	eficia	ally Own	ed		
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da						Execution D			Code (Ins		(A) or		(A) or 3, 4 aı	nd Secu Bene	ities icially d Following (6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v			A) or D)	Price	Trans	action(s) . 3 and 4)		(111501.4)
Common Stock 02/11/							/2005		P		7,500		A	\$8.	7,500		D	
		Та	ıble II - D (e								sed of, onvertib				y Owned	I		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	ution Date, T		saction (Instr. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		rative rities ired r osed) : 3, 4	6. Date Exercisable and Expiration Date (Month/Day/Year) Date Expiration Exercisable Date			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amour or Numbe of Title Shares		ount nber	8. Price of Derivative Security (Instr. 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)

Explanation of Responses:

Lynnette C. Fallon, as attorneyin-fact for Stephen G. Bassett

** 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.