SEC Form 4	
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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

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1. Name and Add	1 0		2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
(Last)	(First)	1 (Middle)	3. Date of Earliest Transaction (Month/Day/Year) 07/01/2005	Director 10% Owner X Officer (give title Other (specify below) below) Executive VP and CFO					
(Street) BEVERLY	MA	01915	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(State)	(Zip)	nivetive Securities Acquired Disposed of an Benef	i i a lla Querra d					

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned											
2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Disposed Of	Disposed Of (D) (Instr. 3, 4 and		5. Amount of Securities Beneficially Owned Following Benorted	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)		(1150.4)		
07/01/2005		A		40,058	Α	\$0 ⁽¹⁾	47,558	D			
	2. Transaction Date (Month/Day/Year)	2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year)	2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year) 2006 (8) Code (2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year) 2. Transaction Code (Instr. 8) Code V	2. Transaction 2A. Deemed 3. 4. Securities and Disposed Of a security of any (Month/Day/Year) 2. Transaction 1000000000000000000000000000000000000	2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year) 3. Transaction Code (Instr. 8) 4. Securities Acquired Disposed Of (D) (Instr. 5) 2. Transaction Code (Instr. 8) 0. 0. 2. Transaction Code (Instr. 8) 0. 0. 2. Transaction Code (Instr. (D) 0. 0. 2. Transaction (Month/Day/Year) 0. 0. 2. Transaction (D) 0. 0. 2. Transaction (D) 0. 0. 2. Transaction (Month/Day/Year) 0. 0. 2. Transaction (D) 0. 0. 3. Transaction (D) 0. 0. 3. Transaction (D) 0. 0. 3. Transaction (D) 0. 0. <td>2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year) 3. Transaction Code (Instr. 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) Code V Amount (A) or (D) Price 0 0</td> <td>2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year) 3. Transaction Code (Instr. 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned Following Reported Transaction(S) (Instr. 3 and 4)</td> <td>2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year) 3. Transaction Code (Instr. 4) 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</td>	2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year) 3. Transaction Code (Instr. 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) Code V Amount (A) or (D) Price 0 0	2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year) 3. Transaction Code (Instr. 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned Following Reported Transaction(S) (Instr. 3 and 4)	2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year) 3. Transaction Code (Instr. 4) 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		

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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code (8)		of		6. Date Exerc Expiration Da (Month/Day/)	7. Title Amour Securi Underi Deriva Securi and 4)	nt of ties ying tive ty (Instr. 3	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

1. These shares are issuable on restricted stock units granted under the Company's 2000 Stock Plan. 1/3 of the shares will issue upon vesting on each of July 1, 2007, 2008 and 2009, provided the reporting person is employed by Axcelis Technologies, Inc. on those dates. No voting or other stockholder rights attach to the units until the shares are issued.

Lynnette C. Fallon, as attorney-07/05/2005

in-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.