FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPRO	VAL				
	OMB Number:	3235-0287				
l	Estimated average burde	en				
l	hours per response:	0.5				

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

	d Address of nan Craig		2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]									heck all	applicable) irector		Person(s) to Is	Owner				
(Last) (First) (Middle) 108 CHERRY HILL DRIVE							3. Date of Earliest Transaction (Month/Day/Year) 06/30/2006									ficer (give title slow) Senior VP		Other (specify below) and CIO		
(Street) BEVERI (City)	EVERLY MA 01915					4. If Amendment, Date of Original Filed (Month/Day/Year)									ne) <mark>X</mark> F F	, ·				
		Tabl	e I - Nor	า-Deriv	ative	Sec	curitie	s Acc	quired,	Dis	posed o	f, or l	Bene	ficia	ally Ov	vned				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da						Execution Date,		3. Transa Code (8)		4. Securit Disposed 5)	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			nd Se Be Ov	Amount of curities neficially ned Following ported	Fo (D	. Ownership orm: Direct D) or Indirect) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
						Code	v	Amount	(A (D) or)	Price	Tra	nsaction(s) str. 3 and 4)			(
Common	Stock)/2006	2006			J ⁽¹⁾	V	223		A	\$5.	01	44,665	14,665						
Common Stock 07/03/2						2006			A		37,41	7	A	\$ <mark>0</mark>	(2)	82,082		D		
		Та									sed of, onvertib				y Own	ed				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/Da	Date,	Code (Inst				6. Date E Expiratio (Month/D	n Date	9	7. Title and Amount of Securities Underlying Derivative Security (Instrand 4)		str. 3	8. Price Derivati Security (Instr. 5)	ve derivative Securities	e S Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisal		Expiration Date	Title	Amo or Num of Sha	ber						

Explanation of Responses:

- $1.\ Purchased\ under\ the\ Axcelis\ Technologies,\ Inc.\ Employee\ Stock\ Purchase\ Plan,\ qualified\ under\ I.R.C.\ Section\ 423.$
- 2. These shares are issuable on restricted stock units granted under the Company's 2000 Stock Plan. 50% of these units will vest on July 3, 2009 (subject to acceleration on achievement of a market capitalization goal) and the remaining 50% of the units will vest on July 3, 2010 (subject to acceleration on achievement of a market capitalization goal), provided however, that such vesting shall in no event be earlier than July 3, 2008.

<u>Lynnette C. Fallon, as attorney-</u> <u>in-fact for Craig M. Halterman</u> <u>07/05/2006</u>

** 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.