FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPRO	VAL
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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* FLYNN MATTHEW P							2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]									nship of Reportir I applicable) Director Officer (give title		10%		Owner
	(Fii CELIS TEC RRY HILL		3. Date of Earliest Transaction (Month/Day/Year) 06/30/2006										belov				`			
(Street) BEVERLY MA 01915 (City) (State) (Zip)					4. If Amendment, Date of Original Filed (Month/Day/Year)										ne) X	dividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person				
		Tabl	e I - Nor	n-Deriva	ative	Se	curitie	s Ac	quired,	Dis	posed o	f, or	Bene	eficia	ally O	wne	ed			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da						Execution Date			3. 4. Securities Acquirer Transaction Disposed Of (D) (Insti-				quired) (Instr.	(A) or 3, 4 aı	nd S B O	5. Amount of Securities Beneficially Owned Following Reported		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership
							Code	v	Amount	0	A) or D)	Price	Trai		nsaction(s) tr. 3 and 4)			(Instr. 4)		
Common Stock 06/30/									J ⁽¹⁾	V	548		A	\$5.01		61,312			D	
Common Stock 07/03/							/2006		A		45,833		A	A \$00		(2) 107,145			D	
		Та									sed of, onvertib				y Owi	ned				
1. Title of Derivative Security (Instr. 3)			Date,	4. Transaction Code (Instr. 8)		n of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Expiration (Month/E	5. Date Exercisable and Expiration Date (Month/Day/Year) Date Expiration Date Expiration Date			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amour or Numbe of Title Shares		8. Price Deriva Securi (Instr. 1	tive ty	9. Number o derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ow Fo Dir or (I)	vnership vrm: rect (D) Indirect (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	

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.

Lynnette C. Fallon, as attorneyin-fact for Matthew P. Flynn

** 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.