FLYNN MATTHEW P

Form 4

November 18, 2008

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

3235-0287 Number:

January 31, Expires: 2005

0.5

Estimated average burden hours per

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Check this box if no longer subject to Section 16.

Form 4 or Form 5 obligations

may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person *

FLYNN MATTHEW P

2. Issuer Name and Ticker or Trading Symbol

AXCELIS TECHNOLOGIES INC

[ACLS]

3. Date of Earliest Transaction (Month/Day/Year)

11/17/2008

C/O AXCELIS TECHNOLOGIES. INC., 108 CHERRY HILL DRIVE

(First)

(Middle)

(Zip)

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

below)

(Check all applicable)

Director 10% Owner X_ Officer (give title Other (specify

EVP, Customer Operations

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

BEVERLY, MA 01915

(City) (State) 1. Title of 2. Transaction Date 2A. Deemed

Security (Month/Day/Year) Execution Date, if (Instr. 3)

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

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

(A)

or

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership Form: Direct (D) or Indirect Beneficial (I) (Instr. 4)

7. Nature of Indirect Ownership (Instr. 4)

Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Conversion 3. Transaction Date 3A. Deemed (Month/Day/Year) Execution Date, if

5. Number of TransactionDerivative

6. Date Exercisable and **Expiration Date**

7. Title and Amount Underlying Securities

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(Instr. 3)	or Exercise Price of Derivative Security	·	any (Month/Day/Year)	Code (Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)				(Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amour Number Shares
Stock option (right to	\$ 0.7	11/17/2008		A(1)	150,000		11/17/2012(2)	11/17/2018	Common Stock	150,0

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

FLYNN MATTHEW P C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY, MA 01915

EVP, Customer Operations

Signatures

buy)

Lynnette C. Fallon, as attorney in fact for Matthew Flynn

11/18/2008

**Signature of Reporting Person

Date

Explanation of Responses:

- * 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).
- (1) Granted Pursuant to the Axcelis Technologies, Inc. 2000 Stock Plan.
- (2) Exercisable as to 25% of the total shares on each of 11/17/2009, 11/17/2010, 11/17/2011 and 11/17/2012, provided that the common stock closes at or above \$4.00 per share for 20 consecutive trading days on one or more occasions prior to exercise.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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