LUTTATI MICHAEL J

Form 4

December 27, 2004

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

3235-0287

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January 31, 2005

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response...

if no longer subject to Section 16. Form 4 or

Check this box

SECURITIES Form 5 obligations may continue.

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 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * LUTTATI MICHAEL J

2. Issuer Name and Ticker or Trading

Issuer

below)

Symbol

AXCELIS TECHNOLOGIES INC

(Check all applicable)

5. Relationship of Reporting Person(s) to

[ACLS]

(Last) (First) (Middle) 3. Date of Earliest Transaction

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

(Month/Day/Year)

12/09/2004

Executive VP and COO

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

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

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

Person

BEVERLY, MA 01915

Common

Stock

(City) (State) (Zip)

12/09/2004

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

2. Transaction Date 2A. Deemed 1. Title of Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

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

5. Amount of Securities Beneficially Owned **Following** (Instr. 4)

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Ownership Indirect (I) (Instr. 4)

Reported (A) Transaction(s)

or (Instr. 3 and 4)

Price Code V Amount (D)

\$0 G 1,500 D 15,338.12 D

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

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

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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. Transactio Code (Instr. 8)	5. Number of or Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Stock option (right to buy)	\$ 7.99	12/27/2004		A <u>(1)</u>	60,000	06/25/2008(2)	06/25/2014	Common Stock	60,000

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

LUTTATI MICHAEL J C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY, MA 01915

Executive VP and COO

Signatures

Lynnette C. Fallon, as attorney-in-fact for Michael J.
Luttati

12/27/2004

**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) Excercisable as to 25% of the total shares on each of 6/25/2005, 6/25/2006, 6/25/2007 and 6/25/2008.

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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