

ZAGER JAY

Form 4

January 18, 2011

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 OF
SECURITIES**

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

OMB APPROVAL

OMB
Number: 3235-0287
Expires: January 31,
2005
Estimated average
burden hours per
response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person *
ZAGER JAY

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) (Middle)
108 CHERRY HILL DRIVE
(Street)

3. Date of Earliest Transaction
(Month/Day/Year)
01/18/2011

____ Director ____ 10% Owner
____X____ Officer (give title ____ Other (specify
below) below)
CFO and EVP

BEVERLY, MA 01915

4. If Amendment, Date 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)

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	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)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	01/18/2011		A ⁽¹⁾	V Amount (D) Price 50,000 A \$ 0 (2)	50,000 ⁽³⁾	D	

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

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information contained in this form are not
required to respond unless the form
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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)

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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. Transaction Code (Instr. 8)	5. Number of 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 Underlying Securities (Instr. 3 and 4)
				Code V (A) (D)		Date Exercisable Expiration Date	Title Amount Number Shares
Stock option (right to buy)	\$ 3.59	01/18/2011		A ⁽⁴⁾	200,000	01/18/2015 ⁽⁵⁾ 01/18/2021	Common Stock 200,0

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ZAGER JAY 108 CHERRY HILL DRIVE BEVERLY, MA 01915			CFO and EVP	

Signatures

Lynnette C. Fallon, as attorney in fact for Jay Zager 01/18/2011

____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.

These shares are issuable on vesting of restricted stock units granted under the Company's 2000 Stock Plan. A portion of these shares will be withheld by the Company on vesting to satisfy tax withholding requirements. These restricted stock units will vest as to 25% of the granted units on each of 1/18/2012, 1/18/2013, 1/18/2014 and 1/18/2015.

Of the shares held as of January 18, 2011, 50,000 were issuable on vesting of restricted stock units granted the executive under the 2000 Stock Plan and are subject to forfeiture. A portion of these shares will be withheld by the Company on vesting to satisfy tax withholding requirements.

(4) Granted Pursuant to the Axcelis Technologies, Inc. 2000 Stock Plan.

(5) To become exercisable as to 25% of the shares on each of 1/18/2012, 1/18/2013, 1/18/2014 and 1/18/2015.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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