SEC 1	Form 4
-------	--------

FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP
-----------	------------	---------------	------------------

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

OMB APPROVAL OMB Number: 3235-0287 Estimated average burden 0.5 hours per response:

			or Section So(n) of the investment Company Act of 1940				
1. Name and Address of Reporting Person* Bintz William J			2. Issuer Name and Ticker or Trading Symbol <u>AXCELIS TECHNOLOGIES INC</u> [ACLS]		ationship of Reporting Person(s) to Issuer k all applicable) Director 10% Owner Officer (give title Other (specify		
(Last) 108 CHERRY	ast) (First) (Middle) I		3. Date of Earliest Transaction (Month/Day/Year) 11/16/2009		below) Senior VP, Ma	below)	
(Street) BEVERLY MA 01915		01915	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	 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-De	erivative Securities Acquired, Disposed of, or Benefi	cially (

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. Transa Code (8)	ction	Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
				Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)

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

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. Transa Code (8)		Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)		
Stock option (right to buy)	\$1.16	11/16/2009		A ⁽¹⁾		100,000		11/16/2013 ⁽²⁾	11/16/2019	Common Stock	100,000	\$0	100,000	D	

Explanation of Responses:

1. Granted Pursuant to the Axcelis Technologies, Inc. 2000 Stock Plan.

2. Exercisable as to 25% of the total shares on each of 11/16/2010, 11/16/2011, 11/16/2012 and 11/16/2013.

Lynnette C. Fallon, as attorney in fact to William Bintz

11/17/2009

** 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.