FORM 4

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

obligations may continue. See Instruction 1(b).

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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STATEMENT	<b>OF CHANGES</b>	IN BENEFICIAL	<b>OWNERSHIP</b>

OMB APPROVAL

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person*     Bintz William J				2. Issuer Name and Ticker or Trading Symbol  AXCELIS TECHNOLOGIES INC [ ACLS ]							ck all applica Director	able)	ng Person(s) to Iss		wner		
(Last) (First) (Middle) 108 CHERRY HILL DRIVE				3. Date of Earliest Transaction (Month/Day/Year) 07/15/2011						X	below)	(give title  Prod. Dev., En		Other (s below) ng. & Mkt			
(Street) BEVERI		IA State)	01915 (Zip)		1. If Am	endment,	Date o	of Original F	Filed	(Month/Day	y/Year)	6. Inc Line)	Form fil	ed by One	Repo	(Check App rting Person One Report	
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
1. Title of Security (Instr. 3)  2. Transa Date			2. Transact	action 2A. Deemed Execution Date,		3. Transaction Code (Instr. 3, 4		d (A) or	5. Amount of		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)				
					Code	v	Amount	(A) or (D)	Price	Transacti (Instr. 3 a	ion(s)						
Common Stock 07/10			07/16/2	011			F		793	<b>D</b> (1)	\$1.6(2)	45,1	09(3)		D		
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																	
Derivative   Conversion   Date   Ex   Security   or Exercise   (Month/Day/Year)   if a		3A. Deemed Execution Date if any (Month/Day/Ye	Code (Instr.		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 Transaction(s		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)		Date Exercisabl		Expiration Date	Title	Amount or Number of Shares		(Instr. 4)			
Stock option (right to	\$1.6	07/15/2011		A <sup>(4)</sup>		150,000		07/15/2015	(5)	07/15/2021	Common Stock	150,000	\$0	150,00	00	D	

## **Explanation of Responses:**

- 1. Shares withheld by the Company equal to tax liability of the executive officer incident to the vesting of restricted stock units issued in accordance with Rule 16b-3.
- 2. Represents the closing price of the common stock on July 18, 2011 (the first trading day after the vesting date).
- 3. Of the shares held as of July 16, 2011, 11,955 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.
- $5. \ To \ become \ exercisable \ as \ to \ 25\% \ of \ the \ shares \ on \ each \ of \ 7/15/2012, \ 7/15/2013, \ 7/15/2014 \ and \ 7/15/2015.$

<u>Lynnette C. Fallon, as attorney</u> <u>in fact for William Bintz</u> <u>07/19/2011</u>

\*\* Signature of Reporting Person Date

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

- $^{\star}$  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.