FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## OMB APPROVAL

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP	OMB Number:	3235-0287	
OTATEMENT OF OTTATOLO IN BEITER 101/12 OWNEROFIII	Estimated average burden		
Filed pursuant to Section 16(a) of the Securities Eychange Act of 1024	hours per response:	0.5	

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 19 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Bintz William J</u>						2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ ACLS ]										tionship of Reportin all applicable) Director		10%	Owner
(Last) (First) (Middle) 108 CHERRY HILL DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 07/01/2010									X	Officer (give title below)  Senior VI		Othe below Marketing	r (specify v)
(Street) BEVERI (City)			)1915 Zip)		Line) X Form							or Joint/Group Filing (Check Applicable in filed by One Reporting Person in filed by More than One Reporting son							
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
Date				2. Transac Date (Month/Da		r) E	A. Deemed xecution Date, any //onth/Day/Year)					ies Acquired (A) Of (D) (Instr. 3, 4			and 5) Sec		cially I Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
								Code	v	Amount	0	A) or D)	Price		Transa	action(s) 3 and 4)		(IIISU: 4)	
Common Stock				07/01/	2010				F		635		D <sup>(1)</sup>	\$1.59 <sup>(2)</sup>		86	5,253 <sup>(3)</sup>	D	
	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. Deem Execution if any (Month/D	n Date,		Transaction Code (Instr. ))		of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)  Date Expiration Exercisable Date			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)  Amoun or Numbe of Title Shares		nt er		9. Number of derivative Securities Beneficially Owned Following Reported Transaction ((Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)

## 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 at July 1, 2010.
- 3. Of the shares held as of July 1, 2010, 47,061 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.

<u>Lynnette C. Fallon, as attorney</u> <u>in fact for William Bintz</u> <u>07/06/2010</u>

\*\* 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.