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

TATEMENT OF CHANGES IN BENEFICIA	L

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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

1. Name and Address of Reporting Person* <u>George Arthur L Jr</u>						2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ ACLS ]											o of Reportin blicable) ctor			suer wner
(Last) (First) (Middle) C/O AXCELIS TECHNOLOGIES, INC.					3. Date of Earliest Transaction (Month/Day/Year) 05/17/2017											Office	er (give title v)		Other (specify below)	
108 CHERRY HILL DRIVE						4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street) BEVERI	Street) BEVERLY MA 01915														X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(St	ate) (	Zip)																	
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3)  2. Transa Date (Month/D						ar) E	2A. Deemed Execution Date, f any (Month/Day/Year)				Disposed	ities Acquired (A) d Of (D) (Instr. 3, 4				5. Amount of Securities Beneficially Owned Following Reported		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		Transaction(s) (Instr. 3 and 4)				(111501.4)
Common Stock 05/1					17/2017				A		3,802	2	A	\$0.00(1)		(1) 36,689(2)		D		
		Та									sed of, onvertib				y Ov	vned				
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/Da	Date, Transacti Code (Ins					6. Date Exercisable an Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)  Amour				vative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(: (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	nip )) ct	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)		Date Exercisa		Expiration Date	Titl	Nui	mber ares						

## **Explanation of Responses:**

- 1. These shares are issuable on vesting of restricted stock units granted under the Company's 2012 Equity Incentive Plan. Assuming continuation of service as a director, 100% of these restricted stock units will vest on November 17, 2017.
- 2. Of the shares held on May 17, 2017, 9,427 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.

## Remarks:

<u>Lynnette C. Fallon, as attorney</u> in fact for Arthur L. George, Jr.

**OWNERSHIP** 

05/17/2017

\*\* 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.