FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APPROVAL										
	OMB Number:	3235-0287									
- 1	Estimated average I	hurdon									

0.5

hours per response:

	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 1934

					or S	Section	n 30(h)	of the	nvestme	nt Co	mpany Act	of 194	40								
1. Name and Address of Reporting Person* George Arthur L Jr				2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ ACLS ]										5. Relationship of Reporting Person(s) to Issuer (Check all applicable)							
Ocoige Aithur E Ji															X	Direc	tor	1	0% O	wner	
(Last)	(Last) (First) (Middle)					3. Date of Earliest Transaction (Month/Day/Year) 05/16/2016										Office	er (give title v)	(give title Other below		specify	
C/O AXCELIS TECHNOLOGIES, INC.					05/	03/10/2010															
108 CHERRY HILL DRIVE				4. If	If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable							
(04						, , , , , ,										Line)					
(Street)														X Form filed by One Reporting Person							
BEVERLY MA 01915																Form filed by More than One Reporting Person					
(City)	(St	ate) (	Zip)																		
		Tabl	e I - No	n-Deriv	ative	Sec	uritie	s Ac	quired	, Dis	posed o	f, or	Ben	eficia	ally C	Owne	ed				
1. Title of Security (Instr. 3)  2. Transac Date (Month/Da					Exe ay/Year) if ar		A. Deemed Recution Date, any lonth/Day/Year)		Transaction Disposed Code (Instr. 5)		ties Acquired (A) I Of (D) (Instr. 3, 4			4 and So		ount of ties cially d Following	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	. 1		ection(s) 3 and 4)			(111511.4)	
Common Stock 05/16/					/2016	2016		A		30,545	5	A \$0.0		00(1)	111,545(2)		D				
		Та									osed of, onvertib				y Ow	ned					
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	n Date,		ransaction ode (Instr.		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable Expiration Date (Month/Day/Year)		7. Title at Amount (Securitie Underly) Derivativ Security and 4)		str. 3			9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownersh Form: Direct (D or Indirec (I) (Instr.	(D)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	or Nur of	ount mber ires							

## **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 on the Board of Directors, these restricted stock units will vest on November 12, 2016.
- 2. Of the shares held as of May 16, 2016, 64,295 were issuable on vesting of restricted stock units granted to the director 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. 05/17/2016

\*\* 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.