FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL							
OMB Number:	3235-028						

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 Section 30(h) of the Investment Company Act of 1940

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OMB Number: 3235-028							
Estimated average burden							
hours per response:	0.5						

Name and Address of Reporting Person* Low Russell						2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]									Check	tionship of Reportin all applicable) Director Officer (give title		g Person(s) to Issuer 10% Owner Other (specify		
(Last) (First) (Middle) AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 02/28/2019									X	belov	N) .		below)	
(Street) BEVERLY MA 01915 (City) (State) (Zip)						4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
		Tabl	e I - Noi	n-Deriv	ative	Se	curitie	s Acc	quired,	Dis	posed o	f, oı	r Ben	efici	ally	Owne	ed			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					Day/Year) Exe		A. Deemed Execution Date, f any Month/Day/Year)		Transaction Dispose Code (Instr. 5)		Disposed	ities Acquired (A d Of (D) (Instr. 3,				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)) or Price			action(s) 3 and 4)				
Common Stock 02/28					8/2019				F ⁽¹⁾		1,100	D \$		\$0.0	.00(2) 3		5,417(3)	D		
		Та									sed of, onvertib					vned				
1. Title of Derivative Security (Instr. 3) 2. Conversion or Exercise (Instr. 3) By Triangle of Derivative Security 3. Transaction Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year)			Date,	Transaction Code (Instr. 8) S A (// D Code (Instr. 8) S A A (// D Code (Instr. 8) A (//			ative rities ired osed	6. Date Expiratio (Month/D	on Dat		Amount of Securities Underlying Derivative Security (Instr. and 4)		ount mber			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. On February 5, 2019, the Axcelis Technologies, Inc. Compensation Committee determined that restricted stock units with performance vesting terms granted in May 2018 had been earned as to 100% of the units. In accordance with the terms of these grants, on February 28, 2019, 50% of the earned shares vested. As agreed with the executive, the shares issued to the executive on the vested shares were reduced by a number of shares having a value equal to the executive's tax withholding obligation with respect to the vested shares.
- 2. These shares were withheld by the Company to cover the tax withholding obligations of the executive on the vesting of restricted stock units on February 28, 2019.
- 3. Of the shares beneficially owned by the executive on February 28, 2019, 25,172 shares were issuable on vesting of restricted stock units which are subject to forfeiture.

Remarks:

<u>Lynnette C. Fallon, as attorney</u> in fact for Russell J. Low

03/01/2019

** 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.