FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
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).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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 a	2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]								5. Relationship of Reporting (Check all applicable) Director Officer (give title				erson(s) to I 10% Ov Other (s	vner					
(Last)	3. Date of Earliest Transaction (Month/Day/Year) 06/15/2023							X	belov	v) ``	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) BEVERLY MA 01915													X	X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	Rule	Rule 10b5-1(c) Transaction Indication																	
						Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.									ended to				
		Table	I - No	n-Deriva	tive S	ecui	rities	Acc	uired,	Dis	posed of	, or E	3enef	iciall	y Owr	ned			
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day)						//Year) Execu		Deemed cution Date, y nth/Day/Year)		Transaction Disposed (Code (Instr. 5)			ies Acquired (A Of (D) (Instr. 3,		5. Amo Securi Benefi Owned	cially d	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) (D)	or Pri	се	Reported Transaction(s) (Instr. 3 and 4)				
Common Stock 06/15/20						023			A		4,182		\$0	.00(1)	4,182(2)			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)	ive Conversion Date Execution Date, or Exercise (Month/Day/Year) if any		4. Transaction Code (Instr. 8)		5. Numl of Deriv Secu Acqu (A) o Dispo of (D) (Instr and 5	rative rities ired r osed)	Expirati	te Exercisable and ration Date th/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and		Dei Sed (Ins	Price of rivative curity str. 5)			10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	Amount or Number of Shares	er					

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 employment, 25% of these restricted stock units will vest on each of June 15, 2024, June 15, 2025, June 15, 2026 and June 15, 2027.
- 2. Of the shares held after this grant on June 15, 2023, 4,182 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</u> <u>attorney in fact for Gerald M.</u> 06/15/2023 Blumenstock

** 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.