FORM 4

Check this box if no longer subject

to Section 16. Form 4 or Form 5 obligations may continue. See

Instruction 1(b).

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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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 ar	2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC ACLS										k all app Direc	tor	ng Pe	10% O	wner				
(Last) C/O AXO	3. Date of Earliest Transaction (Month/Day/Year) 11/18/2022										belov	er (give title v)		Other (below)	specify				
(Street) BEVERLY MA 01915 (City) (State) (Zip)					4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indi Line) X	· ·				
		Table	I - No	n-Deriva	tive S	Secu	rities	Acq	uired,	Dis	posed of	, or E	Benefi	cially	Own	ed			
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day						Exec if an	eemed ution Date, th/Day/Year)		3. Transaction Code (Instr. 8)		Disposed C	securities Acquired (A posed Of (D) (Instr. 3,			5. Amo Securit Benefic Owned Report	ties cially Following	Forn (D) o	wnership n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) (D)	or Pric	е	Transa	action(s) 3 and 4)			(1130. 4)
Common	2022				S		3,000	D	\$7	76.66 2		22,625(1)		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)	tive Conversion Date Execution Date, or Exercise (Month/Day/Year) if any			4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4)				9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	у	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercis	able	Expiration Date	Title	Numbe of Shares						

Explanation of Responses:

1. Of the shares held as of November 18, 2022, 2,689 were issuable on vesting of restricted stock units granted to the director under the 2012 Equity Incentive Plan and are subject to forfeiture.

Remarks:

Lynnette C. Fallon, as attorney 11/18/2022 in fact for Thomas St. Dennis

** 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.