## FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

OMB Number: 3235-0									
Estimated average burden									
hours per re	esponse:	0.5							

		Table L. Non	Derivative Securities Acquired Disposed of or Bene	ficially	Owned		
(City)	(State)	(Zip)			FEISOII		
BEVERLY	MA	01915			Form filed by Form filed by Person		ting Person One Reporting
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line)			(Check Applicable
	IS TECHNOLO		3. Date of Earliest Transaction (Month/Day/Year) 05/16/2022				
(Last)	(First)	(Middle)			Officer (give t below)	title	Other (specify below)
1. Name and Add <u>Titinger Jo</u> 1	dress of Reporting <mark>199</mark>	g Person <sup>*</sup>	2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>AXCELIS TECHNOLOGIES INC</u> [ ACLS		ationship of Rep < all applicable) Director		on(s) to Issuer 10% Owner
Obligations m Instruction 1(	iay continue. See 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	1	h	ours per resp	onse: 0.5

## Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)						Securities Beneficially	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	05/16/2022		A		2,689	Α	<b>\$0.00</b> <sup>(1)</sup>	24,370 <sup>(2)</sup>	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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code ( 8)		on of				d 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

## 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 May 16, 2023.

2. Of the shares held after this grant on of May 16, 2022, 6,919 shares 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 05/16/2022 in fact for Jorge Titinger \*\* 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.