Instruction 1(b).

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

OMB APPROVAL

OMB Number:	3235-0287
Estimated average bur	den
hours per response:	0.5

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

BREWER	Address of Reporting Person* <u> R KEVIN J</u> (First) (Middle) LIS TECHNOLOGIES, INC.		2. Issuer Name and Ticker or Trading Symbol <u>AXCELIS TECHNOLOGIES INC</u> [ACLS] 3. Date of Earliest Transaction (Month/Day/Year) 12/06/2023	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below) EVP & Chief Financial Officer							
108 CHERRY (Street) BEVERLY			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person							
(City)	(State)	(Zip)	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 intend satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.								
	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)	Code (4. Securities Disposed Of 5)			5. Amount of Securities Beneficially Owned Following Reported	Form: Direct	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	12/06/2023		F ⁽¹⁾		5,426	D	\$0.00 ⁽²⁾	19,597 ⁽³⁾	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)				6. Date Exercisable and Expiration Date (Month/Day/Year)		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. This forfeiture of shares for tax withholding purposes relates to the vesting on December 6, 2023 of certain restricted stock units granted to the executive in accordance with the Company's Executive Equity Retirement Program. 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 December 6, 2023.

3. Of the shares beneficially owned by the executive on December 6, 2023 after the vesting of certain restricted stock units under the Company's Executive Equity Retirement Program, 8,281 shares were issuable on vesting of restricted stock units which are subject to forfeiture.

Remarks:

Lynnette C. Fallon, as attorney in fact for Kevin J. Brewer 01/02/2024

** 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.