FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APPR	OVAL							
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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

1. Name and Address of Reporting Person* <u>Lawson Douglas A.</u>						2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]									(Checl	k all app Dired	olicable) ctor	ig Persoi	Person(s) to Issuer 10% Owner Other (specify		
(Last) (First) (Middle) C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 05/16/2018									X Officer (give title Other (specify below) EVP, Corporate Mktg & Strategy						
(Street) BEVERI)1915 Zip)		4. If Ai										6. Indi Line) X	,					
		Tabl	e I - No	n-Deriv	ative S	Secu	ırities	Acq	uired,	Dis	posed o	f, c	or Ben	efic	ially	Owne	ed				
1. Title of Security (Instr. 3) 2. Trans Date (Month)						Exed if an	P.A. Deemed Execution Date, f any Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4					5. Amount of Securities Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
							Code	v	Amount		(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)			
Common	05/16/	05/16/2018				F		1,406		D ⁽¹⁾	D ⁽¹⁾ \$22.4		34,917(3)		I)					
Common	Stock	05/16/	05/16/2018				A		7,589		A	\$0.00(4)		42,506 ⁽⁵⁾		I)				
Common	05/16/	05/16/2018				A		7,589		A	\$0.00(6)		50,095 ⁽⁷⁾		I)					
Common	Stock	05/17/2018				F		645		D ⁽⁸⁾	\$22.4(9)		49,450(10)		I)					
Common													3,125]	[Held by spouse				
		Та									sed of, onvertib					wned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deen Executio if any (Month/D	n Date,	Date, Transact Code (In:		ion of I		6. Date Exercis Expiration Date (Month/Day/Ye		e	7. Title and Amount of Securities Underlying Derivative Security (Instrand 4)		nstr. 3	Deri Sec (Ins		9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Owi For Dire or Ii (I) (I	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code V	,	(A)		Date Exercisa		Expiration Date	Tit	of	mber ares							

Explanation of Responses:

- 1. These shares were withheld by the Company to cover the tax withholding obligations of the executive on the vesting of restricted stock units on May 16, 2018.
- 2. Represents the closing price on May 16, 2018.
- 3. Of the shares held as of May 16, 2018, 18,295 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.
- 4. 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 May 16, 2019, May 16, 2020, May 16, 2021 and May 16, 2022.
- 5. Of the shares held as of May 16, 2018, 25,884 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.
- 6. These shares are issuable on vesting of restricted stock units granted under the Company's 2012 Equity Incentive Plan. Assuming continuation of employment, up to 50% of these restricted stock units will vest on each of February 28, 2019 and February 28, 2020, based on performance vesting criteria. Unvested restricted stock units will forfeit on February 28, 2019.
- 7. Of the shares held as of May 16, 2018, 33,473 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.
- 8. These shares were withheld by the Company to cover the tax withholding obligations of the executive on the vesting of restricted stock units on May 17, 2018.
- 9. Represents the closing price on May 17, 2018.

10. Of the shares held as of May 17, 2018, 31,286 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 attorney</u> in fact for Douglas A. Lawson

05/17/2018

** 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.