## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549
vvasilington,	D.C.	20040

STATEMENT	OF CHANGES	S IN BENEFICIAL	<b>OWNERSHIP</b>

OMB APPROVAL										
OMB Number: 3235-028										
Estimated average burden										
hours per response:										

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*  Lawson Douglas A.			2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC  [ ACLS ]									Relationship of Reporting Person(s) to Issuer (Check all applicable)     Director 10% Owner     Officer (give title below) below)						
(Last) (First) (Middle) C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE				05/	3. Date of Earliest Transaction (Month/Day/Year) 05/15/2020								EVP, Corporate Mktg & Strategy					
(Street) BEVERI	LY M	A 0	1915		_ 4. II Amendment, Da				e of Original Filed (Month/Day/Year)					Individual or Joint/Group Filing (Check Applicable Line)      X Form filed by One Reporting Person     Form filed by More than One Reporting Person				
(City)	(St		Zip)															
			I - No					Acc	quirec 3.	d, Dis	sposed of							1
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/		Execution (ear) if any				ction Instr.		Acquired (A) or (D) (Instr. 3, 4 a				ties cially I Following	Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
								Code V		Amount	(A) or (D)	Price	Price		ction(s) 3 and 4)		(1130.4)	
Common Stock 05/15/202		20				A		10,894	A	\$0.	00(1)	64	,728 <sup>(2)</sup>	D				
Common	Common Stock 05/15/20.		)20	20			A		10,894	A	\$0.	00(3)	75,622 <sup>(4)</sup>		D			
Common	Common Stock 05/15/20		20				F		837	<b>D</b> (5)	\$23	52 <sup>(6)</sup> 74,		,785 <sup>(7)</sup>	D			
Common	nmon Stock 05/16/20		20			F		1,404	<b>D</b> <sup>(5)</sup>	\$23	3.95 <sup>(6)</sup>		,381(8)	D				
Common	Stock			05/16/20	20			F		558	<b>D</b> (5)	\$23	\$23.95 <sup>(6)</sup>		,823 <sup>(9)</sup>	D		
Common Stock 05/17/20:		)20			F		643	<b>D</b> (5)	\$23	.95 <sup>(6)</sup>	95 <sup>(6)</sup> 72,180		D					
Common Stock											3,125		I	Held by Spouse				
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																		
1. Title of Derivative Security  2. Conversion or Exercise Price of Derivative Security  3. Transaction Date Execution Date (Month/Day/Year) if any (Month/Day/Year)		ıtion Date,	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exer Expiration D (Month/Day)		Date	7. Title Amoun Securit Underly Derivat Securit 3 and 4	nt of ties lying tive ty (Instr	Der Sec (Ins	erivative ecurity 1str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownersh Form: Direct (D or Indire (I) (Instr.	Beneficial Ownership ct (Instr. 4)		
					Code	v	(A)	(D)	Date Exerc	isable	Expiration Date		Amoun or Numbe of Shares	r				

## 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 May 15, 2021, May 15, 2022, May 15, 2023 and May 15, 2024.
- 2. Of the shares held after this first grant on May 15, 2020, 42,811 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.
- 3. These shares are issuable on vesting of restricted stock units granted under the Company's 2012 Equity Incentive Plan. Based on the achievement of performance goals and assuming continuation of employment, up to 50% of these restricted stock units will vest on each of February 28, 2021 and February 28, 2022. Unearned restricted stock units will forfeit on February 28, 2021.
- 4. Of the shares held after this second grant on May 15, 2020, 53,705 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to
- 5. These shares were withheld by the Company to cover the tax withholding obligations of the executive on the vesting of restricted stock units.
- 6. Represents the closing price of the common stock on the date of the tax withholding.
- 7. Of the shares held after this tax withholding forfeiture (and related vesting) on May 15, 2020, 50,859 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.
- 8. Of the shares held after this first tax withholding forfeiture (and related vesting) on May 16, 2020, 46,086 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.
- 9. Of the shares held after this second tax withholding forfeiture (and related vesting) on May 16, 2020, 44,189 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.
- 10. Of the shares held after this tax withholding forfeiture (and related vesting) on May 17, 2020, 42,002 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture

## Remarks:

Lynnette C. Fallon, as attorney in fact for Douglas A. Lawson

05/19/2020

Date

\*\* Signature of Reporting Person

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.