AXCELIS TECHNOLOGIES INC

Form 4

February 19, 2015

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005 Estimated average

OMB APPROVAL

Form 4 or Form 5 obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

burden hours per 0.5 response...

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Lawson Douglas A.	2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last) (First) (Middle) C/O AXCELIS TECHNOLOGIES, INC., 108 CHERRY HILL DRIVE	3. Date of Earliest Transaction (Month/Day/Year) 02/17/2015	Director 10% Owner Self-control of the control of		
(Street) BEVERLY, MA 01915	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Chec Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(State)

(Zip)

(City)

Table I - Non-D	arivativa Sacuritias	Acquired, Disposed	of or Rone	ficially Owned
Table I - Non-D	erivative Securities	- Acquirea, Disbosea	or bene	aiciaiiv Owned

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1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securi Transaction(A) or D Code (Instr. 3, (Instr. 8)		4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	02/17/2015		M	7,088	A	\$ 1.6	22,186	D	
Common Stock	02/17/2015		M	18,750	A	\$ 1.99	40,936	D	
Common Stock	02/17/2015		S	3,188	D	\$ 2.8	37,748	D	
Common Stock	02/17/2015		S	3,900	D	\$ 2.81	33,848	D	
Common Stock	02/17/2015		S	15,250	D	\$ 2.76	18,598	D	

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Common Stock	02/18/2015	M	57,912	A	\$ 1.6	76,510	D	
Common Stock	02/18/2015	S	21,687	D	\$ 2.7	54,823	D	
Common Stock	02/18/2015	S	6,700	D	\$ 2.72	48,123	D	
Common Stock	02/18/2015	S	11,504	D	\$ 2.73	36,619	D	
Common Stock	02/18/2015	S	13,596	D	\$ 2.74	23,023	D	
Common Stock	02/18/2015	S	1,825	D	\$ 2.75	21,198	D	
Common Stock	02/18/2015	S	2,500	D	\$ 2.76	18,698	D	
Common Stock	02/18/2015	S	100	D	\$ 2.77	18,598	D	
Common Stock						12,500	I	Held by Spouse

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

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)	Code	5. Number of iorDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisab Expiration Date (Month/Day/Year		7. Title and A Underlying S (Instr. 3 and	Securities
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Stock Option (right to buy)	\$ 1.6	02/17/2015	M	7,088	07/15/2014	07/15/2020	Common Stock	7,088
Stock Option (right to	\$ 1.99	02/17/2015	M	18,750	07/15/2014(1)	07/15/2020	Common Stock	18,750

buy)

Stock

Option (right to \$ 1.6 02/18/2015 M 57,912 07/15/2014 07/15/2020 Common Stock 57,912

buy)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Lawson Douglas A. C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY, MA 01915

EVP, Corporate Mktg & Strategy

Signatures

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

Lawson

02/19/2015

**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- These options are from an original grant of 75,000 shares, of which 25% were vested on 7/15/2014, and 25% will vest on each of 7/15/2015, 7/15/2016 and 7/15/2017.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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