FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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

OIVIB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
hours per response:	0.5								

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

													-					
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						
,				_								x	Officer (	give title		Other (sp	ecify	
(Last) (First) (Middle)					3. Date of Earliest Transaction (Month/Day/Year) 07/15/2014							below)	ornorate	Mkta	below)	v		
C/O AXCELIS TECHNOLOGIES, INC.				ľ	0//13/2014							EVP, Corporate Mktg & Strategy						
108 CHERRY HILL DRIVE																		
				—   4	4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street)			0.10.1-										3		ed by One	Repor	ting Person	
BEVERI	LY M	IA	01915											Form file	ed by More	than	One Reporti	ng
			<i>-</i>	-										Person				
(City)	(S	tate)	(Zip)															
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3)  2. Transa Date (Month/D			te	Execution Date		te, Transaction Disposed Of Code (Instr.			ies Acquired (A) or Of (D) (Instr. 3, 4 ar		Beneficial Owned Fo	Form ly (D) or		Direct Ir Indirect B tr. 4)	7. Nature of ndirect Beneficial Dwnership			
								(	Code V	Amoun	Amount (A) or (D)		Price	Reported Transactio (Instr. 3 ar	action(s)		(1	nstr. 4)
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)	vative Conversion Date Execution Date, Truity or Exercise (Month/Day/Year) if any			5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		of Un De	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)	e S Illy	Ownership of Form: E Direct (D) C	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
											Т		Amount		(Instr. 4)	011(5)		
				Code	v	(A)	(D)	Date Exer	e rcisable	Expiration Date	Tit	le	or Number of Shares					
Stock option (right to buy)	\$1.8	07/15/2014		A <sup>(1)</sup>		125,000		07/1	.5/2018 <sup>(2)</sup>	07/15/202		ommon Stock	125,000	\$0	125,00	00	D	

## **Explanation of Responses:**

- $1.\ Granted\ pursuant\ to\ the\ Axcelis\ Technologies,\ Inc.\ 2012\ Equity\ Incentive\ Plan.$
- 2. These options will vest as to 25% of the shares on each of July 15, 2015, July 15, 2016, July 15, 2017 and July 15, 2018, if the officer remains in the service of the Company on such vesting date.

<u>Lynnette C. Fallon, as attorney</u> in fact for Douglas A. Lawson

07/16/2014

\*\* 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.