SEC Form 4	
------------	--

 $\square$ 

## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b).

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

1. Name and Address of Reporting Person <sup>*</sup> <u>PUMA MARY G</u>			2. Issuer Name and Ticker or Trading Symbol <u>AXCELIS TECHNOLOGIES INC</u> [ ACLS ]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
				X	Director	10% Owner			
(Last)	Last) (First) (Middle)		3. Date of Earliest Transaction (Month/Day/Year)	x	Officer (give title below)	Other (specify below)			
. ,	S TECHNOLO	GIES, INC.	06/18/2013		Chairman, Preside	ent and CEO			
108 CHERRY	HILL DRIVE								
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indi Line)	vidual or Joint/Group Fili	ng (Check Applicable			
BEVERLY	МА	01915		X	Form filed by One Re	porting Person			
-					Form filed by More th Person	an One Reporting			
(City)	(State)	(Zip)							

## 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)	3. Transa Code (	Iction	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			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 Stock	06/18/2013		<b>S</b> <sup>(1)</sup>		9,086	D	\$1.74	424,430 <sup>(2)</sup>	D	
Common Stock	06/18/2013		S		2,965	D	\$1.75	421,465	D	
Common Stock	06/18/2013		S		200	D	\$1.76	421,265	D	
Common Stock								20,000	Ι	Held by spouse

## Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

			(e.g., p	uis, c	ans,	vvaii	ams,	options, i	Junventin	ie set	Junites				
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)		5. Nu of Deriv Secu Acqu (A) or Dispo of (D) (Instr and 5	ative rities ired osed	6. Date Exerc Expiration Da (Month/Day/Y	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. The sales reported on this Form are pursuant to a prior election by the executive officer to sell shares issued on the vesting of restricted stock units in order to generate funds to pay to the Company to cover the executive's tax liability arising from the vesting event and related commissions. The proceeds of this sale will be paid to the Company and the broker.

2. Of the shares held as of June 18, 2013,73,819 were issuable on vesting of restricted stock units granted the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.

Lynnette C. Fallon, as attorney 06/19/2013

in fact for Mary G. Puma

\* Signature of Poporting Porces

\*\* Signature of Reporting Person Date

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

 $\ast$  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.