FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL										
OMB Number:	3235-0287									
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0.5

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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 assessment & Continue 10(a) of the Constitute Fundament Act of 1004

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Last)	ON LYNN (Fir	rst) (I	Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS] Include the second state of Earliest Transaction (Month/Day/Year) 02/15/2015										heck all a Dir V Of	hip of Reportir pplicable) ector icer (give title ow) Executive	10 Or be	% Owne her (spe low)	Owner (specify		
108 CHERRY HILL DRIVE (Street) BEVERLY MA 01915 (City) (State) (Zip)						4. If Amendment, Date of Original Filed (Month/Day/Year)									ne) <mark>X</mark> Fo Fo	ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
		Tabl	e I - Nor	n-Deriv	ative	Sec	uritie	s Ac	quired	, Dis	posed o	f, or	Bene	eficia	lly Ow	ned			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)						Executi		n Date,	Code	Transaction I					d Sec Ben Owr	mount of urities eficially ed Following orted	6. Ownersh Form: Direc (D) or Indirec (I) (Instr. 4)	t of ect Be Ow	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) or D)	Price	Trar	saction(s) r. 3 and 4)		l (in	isti. 4)
Common Stock 02/15/3						2017		D		2,545		D	\$0.0	0(1)	45,731	D			
Common Stock 02/15/						2017		F		1,240		D	\$0.0	0(2)	44,491 ⁽³⁾	D			
	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	xercise e of vative urity (Month/Day/Year) if any (Month/Day/Year) 8)		Transac Code (In	str.	on of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date Date Expiration Date Expiration			Amount of Securities Underlying Derivative Security (Instr. and 4)		ount nber	8. Price o Derivativ Security (Instr. 5)		Owners Form: Direct (or Indir (I) (Insti	hip of Be O) Ov ect (In	Nature Indirect eneficial wnership nstr. 4)	

Explanation of Responses:

- 1. These shares were issuable on restricted stock units which forfeited on February 15, 2017 as a result of the non-achievement of 2016 performance goals.
- 2. These shares were withheld by the Company to cover the tax withholding obligations of the executive on the vesting of restricted stock units on February 15, 2017.
- 3. On February 15, 2017, restricted stock units with performance vesting terms granted in May 2016 were determined to have vested as to 60% of the units. The remaining units forfeited. The shares issued to the executive on the vested units were reduced by shares having a value equal to the executive's tax withholding obligation. After these events, of the shares held by the executive as of February 15, 2017, 19,091 were issuable on vesting of other restricted stock units which remain subject to forfeiture.

Remarks:

Lynnette C. Fallon

02/15/2017

** 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.