FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL							
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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 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*     Name S.					2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ ACLS ]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
<u>Levine Marc S</u>					TEXALEST TECHNOLOGIES INC [ ACES ]								1		Director		10% (	Owner		
, , , , , , , , , , , , , , , , , , ,	<b>/-</b> :				3. D	ate c	of Earlie	st Trans	saction (M	lonth/	Day/Year)			$\dashv$		Officer (giv below)	e title	Other below	(specify	
(Last)	(Fi	, ,	Middle)			08/2					-,,					Sr VP P	roduct	Developme	nt	
108 CHE	RRY HILL	DRIVE																		
(Street)					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)					
BEVERLY MA 01915														-	-,	Form filed	by One	Reporting Pers	son	
														Form filed by More than One Reporting Person				orting		
(City)	(St	ate) (	Zip)													reisuii				
		Tab	le I - No	n-Deriv	ative	Se	curiti	s Ac	quired,	Dis	posed o	f, or	Ben	eficia	lly O	wned				
1. Title of Security (Instr. 3)  2. Transac Date (Month/Da					Execution Date		n Date,	Transaction Disposed Code (Instr. 5)			ities Acquired (A) d Of (D) (Instr. 3, 4			d S E	i. Amount of Securities Beneficially Owned Follo Reported		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
								Code	v	Amount		A) or D)	Price	1	ransaction( Instr. 3 and			(		
Common	mon Stock 08/08/2007				F		4,179	1)	D	\$4.9	5(2)	127,511	(3)	D						
		Та									sed of, onvertib				/ Ow	ned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security  3. Transaction Date (Month/Day/Year)  3. Deemed Execution Date, if any (Month/Day/Year)		n Date, ay/Year) _	Code ( 8)	ransaction of ode (Instr. Derivative		vative irities sired or osed ) r. 3, 4 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)  Date Expiration Exercisable Date			Amo Secu Unde Deriv	Am or	ount	8. Pric Deriva Securi (Instr.	tive derivative Security Secur	rities ficially ed wing orted saction(s	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		

## Explanation of Responses:

- 1. Shares withheld by the Company equal to tax liability of the executive officer incident to the vesting of restricted stock units issued in accordance with Rule 16b-3.
- 2. Represents the closing price of the common stock at vesting (August 8, 2007).
- 3. Of the shares held as of August 8, 2007, 112,280 were issuable on vesting of restricted stock units granted the executive under the 2000 Stock Plan and are subject to forfeiture. A portion of these shares will be withheld by the Company on vesting to satisfy tax withholding requirements.

<u>Lynnette C. Fallon, as attorney-</u> <u>in-fact for Marc S. Levine</u> 12/14/2007

\*\* 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.