FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB AF	PPROVAL

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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

					_		. ,					party Act t	01 10-		_							
1. Name and Address of Reporting Person* <u>JENNINGS WILLIAM C</u>						2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ ACLS ]										5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
						CL	ر داداد	ILCI	IIVO	LOC	111	20 1110	<u> </u>	1CL3	] [	X	Direc	tor		10% O	wner	
(Last)	(Fii	rst) (	Middle)		3. Date of Earliest Transaction (Month/Day/Year) 07/03/2006											Office	er (give title v)		Other (below)	(specify		
108 CHERRY HILL DRIVE					4. If Amendment, Date of Original Filed (Month/Day/Year)											6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street)																X	Form	n filed by One	e Repo	orting Pers	on	
BEVERLY MA 01915																Form filed by More than One Reporting Person					orting	
(City)	(St	ate) (	Zip)																			
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																					
1. Title of Security (Instr. 3)  2. Transa Date (Month/D						ur) l	2A. Deemed Execution Date, if any (Month/Day/Year		Transaction Dispos			Disposed	rities Acquired (A) ed Of (D) (Instr. 3,			4 and Sec Ber Ow		Amount of curities neficially vned Following		nership : Direct · Indirect str. 4)	7. Nature of Indirect Beneficial Ownership	
									Cod	e V		Amount		(A) or (D)	Price	,		ed action(s) 3 and 4)			(Instr. 4)	
Common Stock 07/03.					/2006				A			8,333	3	A	<b>\$0</b> <sup>(1)</sup>		20,590			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	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution E if any (Month/Day	Date, Transacti Code (Ins					6. Date Exercisal Expiration Date (Month/Day/Year)				7. Title and Amount of Securities Underlying Derivative Security (Instrant 4)		str. 3	Deriv	rice of ivative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Or Fo Di or (I)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					ohe.	·	(A)	(D)	Date Everci	ablo		xpiration	Title	or Nun of	ount							

## **Explanation of Responses:**

1. These shares are granted as restricted stock under the 2000 Stock Plan and will vest on January 2, 2007.

<u>Lynnette C. Fallon, as attorney-</u> <u>in-fact for William C. Jennings</u>

\*\* 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.