SEC Form 4

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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Observation in the second state of the second
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

OMB APPROVAL OMB Number 3235-0287

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or Section 30(1) or the investment Company Act of 1340										
1. Name and Address of Reporting Person*			2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC ACLS	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
DUFF DAVID					Director	10% Owner				
		,		x	Officer (give title	Other (specify				
(Last)	(Last) (First) (Middle)		3. Date of Earliest Transaction (Month/Day/Year)		below)	below)				
C/O AXCELIS TECHNOLOGIES, INC.			06/25/2004		Vice President/GM IIRTP					
108 CHERRY HILL DRIVE										
			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable						
(Street)				Line)						
BEVERLY	МА	01915		X	Form filed by One Reporti	ng Person				
					Form filed by More than O	one Reporting				
	(0,				Person					
(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 (8)	ction	4. Securities A Disposed Of (5)			5. Amount of Securities Beneficially Owned Following 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	Transaction(s) (Instr. 3 and 4)		(1150. 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)	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)		of		6. Date Exercisable and Expiration Date (Month/Day/Year)		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				
Stock option (right to buy)	\$11.87	06/25/2004		A ⁽¹⁾		22,500		06/25/2008 ⁽²⁾	06/25/2014	Common Stock	22,500	\$0.00	22,500	D	

Explanation of Responses:

1. Granted Pursuant to the Axcelis Technologies, Inc. 2000 Stock Plan.

2. Excercisable as to 25% of the total shares on each of 6/25/2005, 6/25/2006, 6/25/2007 and 6/25/2008.

Lynnette C. Fallon, as attorneyin-fact for David W. Duff

06/28/2004

** 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.