FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

wasnington,	D.C.	20549

Check this box if no longer subject to Section 16. Form 4 or Form 5	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
obligations may continue. See Instruction 1(b).	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

	OMB APPROVAL									
	OMB Number:	3235-0287								
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1. Name and Address of Reporting Person* HARDIS STEPHEN R				2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner						
(Last) (First) (Middle) C/O AXCELIS TECHNOLOGIES, INC.					3. Date of Earliest Transaction (Month/Day/Year) 07/16/2007										Officer (give title below)		Other (specify below)	
RRY HILL	DRIVE			4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable					
	MA 01915 (State) (Zin)							X Form filed by One Reporting Person Form filed by More than One Reporting Person										
	Tabl	e I - Nor	n-Deriv	ative	Sec	curitie	s Acc	uired,	Disp	oosed o	f, or	Bene	ficia	lly Owne	ed			
Date			Exec Day/Year) if any		Execution Date, f any					d Securi Benefi Owned	ties cially I Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership					
								Code	v	Amount	(<i>A</i>	A) or D)	Price	Transa	ction(s)		(Instr. 4)	
Common Stock 07/16					/2007		A		16,10	3	A	\$0 ⁽²	1) 10	02,428	D			
	Та													Owned		,		
2. Conversion or Exercise Price of Derivative Security	Exercise (Month/Day/Year) if any (Month/Day/Year) rivative			ransaction of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Expiration	Expiration Date Month/Day/Year)			Amour		Derivative Security	derivative Securities Beneficially Owned Following Reported	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
	d Address of IS STEPH (Fin CELIS TECE CRRY HILL Y M. (St. Conversion or Exercise Price of Derivative	d Address of Reporting Person* IS STEPHEN R (First) (CELIS TECHNOLOGIES, I CRRY HILL DRIVE Y MA (State) (Table Security (Instr. 3) Stock 2. Conversion or Exercise Price of Derivative (Month/Day/Year)	id Address of Reporting Person* IS STEPHEN R (First) (Middle) CELIS TECHNOLOGIES, INC. CRRY HILL DRIVE (State) (Zip) Table I - Nor Security (Instr. 3) Stock Table II - I (Month/Day/Year) Jan. Deeme Execution if any (Month/Day/Pear) (Month/Day/Year)	d Address of Reporting Person* IS STEPHEN R (First) (Middle) CELIS TECHNOLOGIES, INC. CRRY HILL DRIVE (State) (Zip) Table I - Non-Deriv Security (Instr. 3) 2. Transaction Date (Month/Day/Year) Conversion or Exercise Price of Derivative 2. (Month/Day/Year) 3. Transaction Date (Month/Day/Year) (Month/Day/Year)	d Address of Reporting Person* IS STEPHEN R (First) (Middle) CELIS TECHNOLOGIES, INC. 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Filed pursuant to Section or Section 30(h) Id Address of Reporting Person* IS STEPHEN R (First) (Middle) (Extraction Date (Month/Day/Year) Table I - Non-Derivative Securities (e.g., puts, calls, warr (Acque) of Exercise Price of Derivative Security (Month/Day/Year) Tion I - Derivative Securities (Month/Day/Year) Table II - Derivative Securities (e.g., puts, calls, warr (Acque) of Exercise Price of Derivative Security (Month/Day/Year) Table II - Derivative Securities (e.g., puts, calls, warr (Acque) of Exercise Price of Derivative Security (Month/Day/Year) Table II - Derivative Securities (e.g., puts, calls, warr (Acque) of Exercise Price of Derivative Security (Month/Day/Year) Table II - Derivative Securities (e.g., puts, calls, warr (Code (Instr. Security) (Month/Day/Year) (Month/Day/Year)	Table I - Non-Derivative Securities Acquired (Month/Day/Year) Table II - Derivative Securities Acquired (e.g., puts, calls, warrants, 2. Table II - Derivative Securities Acquired (Month/Day/Year) Table II - Derivative Securities Acquired (Month/Day/Year) Table II - Derivative Securities Acquired (A) or Security (Instr. 3, 4 dependence of CD) (Instr. 3, 4 dependence of Security (Instr. 3, 4 dependence of Securities of Securit	ion 1(b). Filed pursuant to Section 16(a) of the Section 30(h) of the Investment or Securities Acquired (horth/Day/Year) or Securities Acquired (horth/Day/	ion 1(b). Filed pursuant to Section 16(a) of the Securitic or Section 30(h) of the Investment Conduction 30(h) of Investment Condu	Table I - Non-Derivative Securities Acquired, Disposed of (Month/Day/Year) Code V	d Address of Reporting Person* (S STEPHEN R (First) (Middle) CELIS TECHNOLOGIES, INC. RRY HILL DRIVE Table I - Non-Derivative Securities Acquired, Disposed of, or Date (Month/Day/Year) (Month/Day/Year) Table II - Derivative Securities Acquired, Disposed of, or Stock Table II - Derivative Securities Acquired, Disposed of, or Stock Table II - Derivative Securities Acquired, Disposed of, or Stock Table II - Derivative Securities Acquired, Disposed of, or Stock Table II - Derivative Securities Acquired, Disposed of, or Be (e.g., puts, calls, warrants, options, convertible Security (Month/Day/Year) Table II - Derivative Securities Acquired, Disposed of, or Be (e.g., puts, calls, warrants, options, convertible Security (Month/Day/Year) Table II - Derivative Securities Acquired, Disposed of, or Be (e.g., puts, calls, warrants, options, convertible Security (Month/Day/Year) Table II - Derivative Securities Acquired (A) or Disposed of, or Be (e.g., puts, calls, warrants, options, convertible Security (Month/Day/Year) Table II - Derivative Securities Acquired (A) or Disposed of, or Be (e.g., puts, calls, warrants, options, convertible Security (Month/Day/Year) Table II - Derivative Securities Acquired (A) or Disposed of, or Be (e.g., puts, calls, warrants, options, convertible Security (Month/Day/Year) Table II - Derivative Securities Acquired (A) or Disposed of, or Be (e.g., puts, calls, warrants, options, convertible Security (Month/Day/Year) Table II - Derivative Securities Acquired (A) or Disposed of, or Be (e.g., puts, calls, warrants, options, convertible Security (Month/Day/Year) Table II - Derivative Securities Acquired (A) or Disposed of, or Be (e.g., puts, calls, warrants, options, convertible Security (Month/Day/Year)	STEPHEN R 2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficial (Month/Day/Year) Code V Amount (A) or Price of Derivative Securities Acquired (A) or Date (Month/Day/Year) Code V Amount (A) or Price of Derivative Securities Acquired (A) or Date (Month/Day/Year) (Month/Da	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940 Address of Reporting Person* IS STEPHEN R 2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS] 3. Date of Earliest Transaction (Month/Day/Year) O7/16/2007 A. If Amendment, Date of Original Filed (Month/Day/Year) Security (Instr. 3) 2. Transaction O7/16/2007 4. If Amendment, Date of Original Filed (Month/Day/Year) Security (Instr. 3) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Date of Earliest Transaction (Month/Day/Year) A. If Amendment, Date of Original Filed (Month/Day/Year) Security (Instr. 3) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) A 16,103 A 16	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940	Security (Instr. 3) Securities Securit	

Explanation of Responses:

1. These shares are restricted stock granted under the Company's 2000 Stock Plan. The shares shall vest on January 16, 2008.

Lynnette C. Fallon, as attorneyin-fact for Stephen R. Hardis

** 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.