FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APPRO	VAL							
	OMB Number:	3235-0287							
l	Estimated average burden								
l	hours per response:	0.5							

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

1. Name an	2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]											ionship of Reportir all applicable) Director Officer (give title		10%	Owner				
(Last) (First) (Middle) C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE							3. Date of Earliest Transaction (Month/Day/Year) 05/07/2004									belov			
(Street) BEVERLY MA 01915 (City) (State) (Zip)						4. If Amendment, Date of Original Filed (Month/Day/Year)									. Indiv ine) X	ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
		Tabl	e I - Non	-Deriva	ative	Sec	curitie	s Acq	uired,	Dis	posed o	f, oı	r Ben	eficia	ally (Owne	ed		
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da					Execution Date			Date,	3. Transa Code (8)	Disposed	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			4 and S		ount of ties cially d Following	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		Report Transa (Instr.	action(s) 3 and 4)		(1130.4)
Common Stock 05/07/2						2004			S		2,000	2,000 D		\$11	.21	1,965.8		D	
		Та	ble II - D						,		sed of, onvertib				y Ov	vned			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Da if any (Month/Day/Y	Date, Transaction Code (Inst					6. Date E Expiratio (Month/D	n Dat		Amount of Securities Underlying Derivative Security (Instr. and 4)				vative c irity S r. 5) E C F	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)		Date Exercisa		Expiration Date	Title	or Nui of	ount mber ares					

Explanation of Responses:

<u>Lynnette C. Fallon, as attorney-</u> <u>in-fact for Jan Paul van Maaren</u> <u>05/10/2004</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.