FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

1	OIVID APPROVAL										
	OMB Number:	3235-0287									
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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

1. Name and Address of Reporting Person* FUSCO MARK						2. Issuer Name and Ticker or Trading Symbol ASPEN TECHNOLOGY INC /DE/ [AZPN]								5. Relationshi (Check all app X Direct		,		on(s) to Issu 10% Ov		
	Last) (First) (Middle) C/O ASPEN TECHNOLOGY, INC. 00 WHEELER ROAD					3. Date of Earliest Transaction (Month/Day/Year) 11/09/2009								X	X Officer (give title below) Other (specify below) President and CEO					
(Street) BURLINGTON MA 01803 (City) (State) (Zip)					-	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
			ble I - No						-	Dis				lly (
1. Title of Security (Instr. 3) 2. Transa Date (Month/D.						ear)	Execution if any	A. Deemed xecution Date, any Month/Day/Year)		Transaction Disposed Code (Instr.		ies Acquire Of (D) (Ins		Beneficia Owned F		s Ily ollowing	Form (D) o	: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)	
Common Stock ⁽¹⁾ 11/09/						2009			A		433,667 A S		\$0.0	0(2)	497,874		D			
Common Stock ⁽³⁾ 11/09				09/200	/2009		F		56,288		\$9.	55	441,586			D				
			Table II -								osed of,			y O	wned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		3A. Deemed Execution I if any (Month/Day	Oate, (Year)	4. Transaction Code (Instr. 8)				6. Date Exercis Expiration Date (Month/Day/Yea		е	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		[B. Price of Derivative Security Instr. 5)	9. Numbe derivative Securities Beneficia Owned Following Reported	e O s Fe illy D or	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisal		Expiration Date	Title	Amount or Number of Share			Transaction(s) (Instr. 4)				
Common Stock Option (Right to Buy)	\$9.55	11/09/2009			A		117,529		(4)	:	11/08/2019	Common Stock	117,25	9	\$0	117,25	59	D		
Common Stock (Right to Buy)	\$9.55	11/09/2009			A		10,471		(5)		11/08/2019	Common Stock	10,47	1	\$0	10,47	1	D		

Explanation of Responses:

- 1. Each restricted stock unit represents a contingent right to receive one share of Aspen Technology, Inc. common stock.
- 2. Restricted stock units do not have an exercise price.
- 3. Shares withheld by Registrant to satisfy statutory tax withholding requirements on vesting of restricted stock units and distribution of stock.
- 4. The option granted at the exercise price of \$9.55 was vested as to 80,000 shares on the date of grant. The balance vests in 4 increments of 8,000 shares on the last day of each quarter beginning in the first quarter of 2010, and a final increment of 5,529 shares vesting on June 30, 2011.
- 5. The option was granted at the exercise price of \$9.55 and will vest as to 8,000 shares on March 31, 2011, and the balance of 2,471 shares will vest on June 30, 2011.

/s/ F. G. Hammond, Attorneyin-Fact 11/12/2009

** 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.

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