FORM 4

obligations may continue. See

Instruction 1(b)

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL OMB Number: Estimated average burden

0.5

hours per response:

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* MCARDLE JOAN C (Last) (First) (Middle) ASPEN TECHNOLOGY, INC. 200 WHEELER ROAD						2. Issuer Name and Ticker or Trading Symbol ASPEN TECHNOLOGY INC /DE/ [AZPN] 3. Date of Earliest Transaction (Month/Day/Year) 08/01/2013										eck all a	appliorector ficer flow)	cable) or (give title		10% Ov Other (: below)	vner specify
(Street) BURLINGTON MA 01803 (City) (State) (Zip)					-	4. If Amendment, Date of Original Filed (Month/Day/Year)											ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person				
Table I - Non-Deriva 1. Title of Security (Instr. 3) 2. Transar Date (Month/Date)					action	ar) i	A. Deemed Execution Date, f any Month/Day/Year)		,	3. Transaction Code (Instr.		4. Securities Acquired		(A) or	A) or 5. Amou 5. Amou 5. Amou 5. Amou 5. Amou 5. Amou 5. Amou 5. Amou 5. Amou 5. Benefic		nt of 6. C es For ally (D) Following (I) (: Direct r Indirect str. 4)	7. Nature of ndirect Beneficial Ownership (Instr. 4)	
										Code	v	Amount	nt (A) or (D)		Price	Trai	isact	ion(s) and 4)			
Common Stock																	60,000(1)				By employer
Common Stock ⁽²⁾ 08/01/2						/2013				Α		2,727 ⁽³⁾		A	\$ <mark>0</mark>) 22		,064		D	
		1	able II -									osed of onverti				Own	ed				
	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)		4. Transactio Code (Insti 8)					Date Exe piration I onth/Day	Date	Amount		int of rities rlying ative Se		8. Price of Derivative Security (Instr. 5)		9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	ly Di or (I)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Da:	ite ercisable		xpiration ate	Title	0 N 0	umber						
Director Stock Option (Right to Buy)	\$32.54	08/01/2013			A		3,496			(4)	0	7/31/2023	Comn		3,496	\$0		3,496		D	

Explanation of Responses:

- 1. These securities are held by Massachusetts Capital Resource Company. The reporting person serves as a senior vice president of Massachusetts Capital Resource Company, and may be deemed to have shared voting power over these securities. The reporting person disclaims beneficial ownership of these securities, and this report shall not be deemed an admission that the reporting person is the beneficial owner of these securities for purposes of Section 16 or for any other purpose.
- 2. Each Restricted Stock Unit represents a contingent right to receive one share of Aspen Technology, Inc. common stock. The Restricted Stock Units were fully vested on the date of grant.
- 3. Restricted Stock Units do not have an exercise price.
- 4. The option granted at the exercise price of \$32.54 was fully vested on the date of grant.

/s/ F.G. Hammond, Attorney-In-Fact

08/02/2013

** 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.