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|-------------------------------------------------|-----------|
| <b>OMB APPROVAL</b>                             |           |
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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).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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*<br><u>Johnsen Karl E</u><br><hr/> (Last) (First) (Middle)<br>C/O ASPEN TECHNOLOGY, INC.<br>20 CROSBY DRIVE<br><hr/> (Street)<br>BEDFORD MA 01730<br><hr/> (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>ASPEN TECHNOLOGY INC /DE/ [ AZPN ]</u> | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br>Director 10% Owner<br>X Officer (give title below) Other (specify below)<br><u>Senior Vice President and CFO</u> |
|                                                                                                                                                                                                                         | 3. Date of Earliest Transaction (Month/Day/Year)<br><u>08/13/2018</u>                    |                                                                                                                                                                                                |
| 4. If Amendment, Date of Original Filed (Month/Day/Year)                                                                                                                                                                |                                                                                          |                                                                                                                                                                                                |

**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. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |                         | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 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                   |                                                                                               |                                                          |                                                       |
| Common Stock                    | 08/13/2018                           |                                                    | M                              |   | 117                                                               | A          | \$43.44                 | 30,882                                                                                        | D                                                        |                                                       |
| Common Stock                    | 08/13/2018                           |                                                    | M                              |   | 155                                                               | A          | \$44.38                 | 31,037                                                                                        | D                                                        |                                                       |
| Common Stock                    | 08/13/2018                           |                                                    | M                              |   | 7,034                                                             | A          | \$37.91                 | 38,071                                                                                        | D                                                        |                                                       |
| Common Stock                    | 08/13/2018                           |                                                    | S                              |   | 9,438                                                             | D          | \$108.07 <sup>(1)</sup> | 28,633                                                                                        | D                                                        |                                                       |

**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. Transaction Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |       | 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 |
| Employee Stock Option (Right to Buy)       | \$43.44                                                | 08/13/2018                           |                                                    | M                              |   |                                                                                        | 117   | (2)                                                      | 07/31/2024      | Common Stock                                                                      | 117                                        | \$0                                                                                                | 0                                                         | D                                                      |       |
| Employee Stock Option (Right to Buy)       | \$44.38                                                | 08/13/2018                           |                                                    | M                              |   |                                                                                        | 155   | (3)                                                      | 08/02/2025      | Common Stock                                                                      | 155                                        | \$0                                                                                                | 620                                                       | D                                                      |       |
| Employee Stock Option (Right to Buy)       | \$37.91                                                | 08/13/2018                           |                                                    | M                              |   |                                                                                        | 7,034 | (4)                                                      | 09/30/2025      | Common Stock                                                                      | 7,034                                      | \$0                                                                                                | 11,639                                                    | D                                                      |       |

**Explanation of Responses:**

- The price reported in Column 4 is a weighted average price. These shares were sold in several transactions at prices ranging from \$107.68 to \$108.217, inclusive. The reporting person undertakes to provide to Aspen Technology, Inc., any security holder of Aspen Technology, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The option granted at the exercise price of \$43.44 vests in 16 equal consecutive quarterly installments on the last business day of the quarter, beginning on September 30, 2014.
- The option granted at the exercise price of \$44.38 vests in 16 consecutive equal quarterly installments on the last business day of the quarter, beginning on September 30, 2015.
- The option granted at the exercise price of \$37.91 vests in 16 equal consecutive quarterly installments on the last business day of the quarter, beginning on December 31, 2015.

/s/ F. G. Hammond, attorney-  
in-fact for Mr. Johnsen      08/15/2018

\*\* 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.**