

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 8-K/A

AMENDMENT NO. 1 TO

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): **May 8, 2006**

ASPEN TECHNOLOGY, INC.

(Exact Name of Registrant as Specified in Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

0-24786
(Commission
File Number)

04-2739697
(IRS Employer
Identification No.)

Ten Canal Park, Cambridge MA
(Address of Principal Executive Offices)

02141
(Zip Code)

Registrant's telephone number, including area code: **(617) 949-1000**

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.02 Departure of Directors or Principal Officers; Election of Directors; Appointment of Principal Officers.

In our Current Report on Form 8-K, filed with the Securities and Exchange Commission on May 9, 2006, we announced that Charles F. Kane had notified us that he intended to resign as our Senior Vice President, Finance and Chief Financial Officer. On May 18, 2006, Mr. Kane submitted his written resignation, effective as of such date.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ASPEN TECHNOLOGY, INC.

Date: May 23, 2006

By: /s/ FREDERIC G. HAMMOND
Frederic G. Hammond
Senior Vice President and

