

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

**Amendment No. 1
Form 10-Q/A**

(Mark One)

**QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES
EXCHANGE ACT OF 1934**

FOR THE QUARTER ENDED MARCH 31, 2006

or

**TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES
EXCHANGE ACT OF 1934**

Commission File Number: 000-24786

Aspen Technology, Inc.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of
incorporation or organization)

04-2739697

(I.R.S. Employer
Identification No.)

Ten Canal Park, Cambridge, Massachusetts 02141

(Address of principal executive office and zip code)

(617) 949-1000

(Registrant's telephone number, including area code)

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding twelve months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days: Yes No

Indicate by check whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of "accelerated filer and large accelerated filer" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer

Indicate by check whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

As of June 9, 2006, there were 48,838,834 shares of the registrant's common stock (par value \$0.10 per share) outstanding.

EXPLANATORY NOTE

This Amendment No. 1 on Form 10-Q/A to our Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2006, originally filed with the SEC on May 10, 2006, is being filed solely for the purpose of correcting an inadvertent typographical error appearing in our Certification of Chief Executive Officer,

which was filed as Exhibit 32.1 to the Form 10-Q, and our Certification of Chief Financial Officer, which was filed as Exhibit 32.2 to the Form 10-Q. Each of these Certifications was made in connection with our Quarterly Report on Form 10-Q for the period ended March 31, 2006, not the period ended December 31, 2005, as stated in the Certifications as originally filed. These Certifications, as corrected, are included as Exhibits 32.1 and 32.2 to this Amendment No. 1.

This Amendment No. 1 on Form 10-Q/A has not been updated for events occurring after the filing of the original Quarterly Report on Form 10-Q on May 10, 2006.

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this Amendment No. 1 on Form 10-Q/A to be signed on its behalf by the undersigned thereunto duly authorized.

ASPEN TECHNOLOGY, INC.

Date: June 12, 2006

By: /s/ Mark Fusco
Mark Fusco
*President, Chief Executive Officer and
Interim Chief Financial Officer
(Principal Executive and Financial Officer)*

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EXHIBIT INDEX

<u>Exhibit Number</u>	<u>Description</u>
32.1	Certification of Chief Executive Officer pursuant to Rule 13a-14(b) or Rule 15d-14(b) of the Securities Exchange Act of 1934 and 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
32.2	Certification of Chief Financial Officer pursuant to Rule 13a-14(b) or Rule 15d-14(b) of the Securities Exchange Act of 1934 and 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.

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**CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report on Form 10-Q of Aspen Technology, Inc. (the "Company") for the period ended March 31, 2006 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), the undersigned, Mark Fusco, President and Chief Executive Officer of the Company hereby certifies, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

1. The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: May 10, 2006

/s/ Mark Fusco

Mark Fusco

President and Chief Executive Officer

**CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report on Form 10-Q of Aspen Technology, Inc. (the "Company") for the period ended March 31, 2006 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), the undersigned, Charles F. Kane, Senior Vice President and Chief Financial Officer of the Company hereby certifies, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

1. The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: May 10, 2006

/s/ Charles F. Kane

Charles F. Kane

Senior Vice President and Chief Financial Officer
