

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

FORM 8-K

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

Date of Report (Date of earliest event reported): **June 28, 2007**

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 1.01. Entry into a Material Definitive Agreement

On June 28, 2007, we entered into a modification of our loan and security agreement, dated as of January 30, 2003, with Silicon Valley Bank (the "Bank"). The modification extends the maturity date under the loan and security agreement to October 16, 2007 and establishes monthly tangible net worth covenants for the extension period.

In addition, on June 28, 2007, we entered into an amendment to our non-recourse receivables purchase agreement, dated as of December 31, 2003, to increase the aggregate amount of outstanding receivables which the Bank may purchase, at any time, to \$65 million and to extend the final date by which the Bank may purchase receivables under this agreement to October 16, 2007.

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.

Date: July 5, 2007

By: /s/ FREDERIC G. HAMMOND

Frederic G. Hammond
Senior Vice President and
General Counsel