

ITEM 2.02 – RESULTS OF OPERATIONS AND FINANCIAL CONDITION

On March 7, 2008, Ciena Corporation issued a press release announcing its financial results for the first fiscal quarter ended January 31, 2008. The text of the press release is furnished as Exhibit 99.1 to this Report. The information in this Report shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section, and shall not be incorporated by reference into any registration statement pursuant to the Securities Act of 1933, as amended.

ITEM 9.01 – FINANCIAL STATEMENTS AND EXHIBITS

(c) The following exhibit is being filed herewith:

| <u>Exhibit Number</u> | <u>Description of Document</u> |
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| Exhibit 99.1 | Text of Press Release dated March 7, 2008, issued by Ciena Corporation, reporting its results of operations for the first fiscal quarter ended January 31, 2008. |
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SIGNATURES

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.

Ciena Corporation

Date: March 7, 2008 By: /s/ Russell B. Stevenson, Jr.
Russell B. Stevenson, Jr.
Senior Vice President, General Counsel and Secretary