

ITEM 7.01 REGULATION FD DISCLOSURE

By its press release dated October 5, 2009, Ciena confirmed that it is in negotiation to purchase substantially all of the optical networking and carrier Ethernet assets of Nortel's Metro Ethernet Networks (MEN) business. A copy of this press release has been furnished with this report as Exhibit 99.1.

The information in this Item 7.01, including Exhibit 99.1, 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 is not incorporated by reference into any filing of Ciena, whether made before or after the date of this report, regardless of any general incorporation language in the filing.

ITEM 9.01 FINANCIAL STATEMENTS AND EXHIBITS

(c) The following exhibit is being filed herewith:

Exhibit Number	Description of Document
Exhibit 99.1	Press Release dated October 5, 2009, issued by Ciena Corporation

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: October 5, 2009

By: /S/ David M. Rothenstein
Name: David M. Rothenstein
Title: Senior Vice President, General
Counsel and Secretary