Mellanox Technologies, Ltd. Form 8-K October 20, 2010

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):

October 20, 2010

Mellanox Technologies, Ltd.

(Exact name of registrant as specified in its charter)

| Israel | 001-33299 | 980233400 |
|--|--|--|
| (State or other jurisdiction of incorporation) | (Commission File Number) | (I.R.S. Employer Identification No.) |
| Hermon Building, Yokneam, | | 20692 |
| (Address of principal executive offices) | | (Zip Code) |
| Registrant s telephone number, including area code | e: | 972-4-909-7200 |
| | Not Applicable | |
| Former name or form | mer address, if changed since | last report |
| | | |
| Check the appropriate box below if the Form 8-K filing is internet following provisions: | nded to simultaneously satisfy | the filing obligation of the registrant under any of |
| Written communications pursuant to Rule 425 under the Soliciting material pursuant to Rule 14a-12 under the Exch Pre-commencement communications pursuant to Rule 14d Pre-commencement communications pursuant to Rule 13e | nange Act (17 CFR 240.14a-1 l-2(b) under the Exchange Act | 2) (17 CFR 240.14d-2(b)) |

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Item 2.02 Results of Operations and Financial Condition.

The information in this current report, including Exhibit 99.1 attached hereto, is furnished pursuant to Item 2.02 of this Form 8-K. Consequently, it is not deemed "filed" for the purposes of Section 18 of the Securities and Exchange Act of 1934 (the "Exchange Act"), or otherwise subject to the liabilities of that section. It may only be incorporated by reference in another filing under the Exchange Act or the Securities Act of 1933 if such subsequent filing specifically references this Form 8-K.

On October 20, 2010, Mellanox Technologies, Ltd. publicly disseminated a press release announcing financial results for the third quarter ended September 30, 2010. The foregoing description is qualified in its entirety by reference to the press release dated October 20, 2010, a copy of which is attached hereto as Exhibit 99.1 and incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

The following exhibit is filed with this Form 8-K:

99.1 Press Release dated October 20, 2010.

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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.

Mellanox Technologies, Ltd.

October 20, 2010 By: /s/ Michael Gray

Name: Michael Gray Title: Chief Financial Officer

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Exhibit Index

| Exhibit No. | Description | |
|-------------|---------------------------------------|--|
| 99.1 | Press Release dated October 20, 2010. | |