Baharav Dov Form 4 November 23, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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January 31, 2005

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response...

if no longer subject to Section 16. Form 4 or

Check this box

Form 5 obligations may continue.

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

Baharay Doy

2. Issuer Name and Ticker or Trading Symbol

Mellanox Technologies, Ltd.

[MLNX]

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

(Last)

(Instr. 3)

(First)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year) 11/22/2010

X_ Director 10% Owner Other (specify

Officer (give title below)

350 OAKMEAD

PARKWAY, SUITE 100

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

SUNNYVALE, CA 94085

(State) (Zip) (City) 1. Title of 2. Transaction Date 2A. Deemed Security

(Month/Day/Year) Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I) Ownership (Instr. 4) (Instr. 4)

Reported Transaction(s)

or (Instr. 3 and 4) Code V Amount (D) Price

(A)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative

Conversion

3. Transaction Date 3A. Deemed

5. Number of (Month/Day/Year) Execution Date, if TransactionDerivative

6. Date Exercisable and **Expiration Date**

7. Title and Amount of **Underlying Securities**

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr.	8)	Securities Acquired or Dispose (D) (Instr. 3, 4 and 5)	(A) ed of	(Month/Day/	onth/Day/Year)		(Instr. 3 and 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Non Qualified Stock Option (right to buy)	\$ 24.19	11/22/2010		A		50,000		<u>(1)</u>	11/21/2020	Ordinary Shares	50,000	

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 0	Director	10% Owner	Officer	Other			
Baharav Dov 350 OAKMEAD PARKWAY SUITE 100 SUNNYVALE, CA 94085	X						

Signatures

/s/ Dov Baharav by Michael Gray, Power of
Attorney

11/23/2010

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The shares subject to the option vest in 36 equal and successive monthly installments measured from November 22, 2010, such that 100% of the shares subject to the option will be fully vested and exercisable on November 22, 2013.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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