Waldman Eyal Form 4 April 08, 2011

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

if no longer subject to Section 16. Form 4 or

Check this box

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005

Form 5 obligations may continue. **SECURITIES**

Estimated average burden hours per response... 0.5

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 *

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

Waldman Eyal

below)

Mellanox Technologies, Ltd.

[MLNX]

(Last) (First) (Middle) 3. Date of Earliest Transaction

_X__ Director 10% Owner X_ Officer (give title Other (specify

(Check all applicable)

C/O MELLANOX TECHNOLOGIES, 04/06/2011

(Month/Day/Year)

Chief Executive Officer

LTD., HERMON BLDG

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

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

YOKNEAM, L3 20692

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) (Instr. 3)

Execution Date, if (Month/Day/Year)

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

4. Securities Acquired 5. Amount of Securities Beneficially Owned **Following**

7. Nature of Ownership Form: Direct (D) or Indirect (I)

Indirect Beneficial Ownership (Instr. 4)

(A)

Reported Transaction(s) (Instr. 3 and 4) (Instr. 4)

Ordinary Shares

04/06/2011

Code V Amount (D) $S^{(1)}$ 667

D $1,635,777 \stackrel{(2)}{=} I$

Price

By Partnership (3)

SEC 1474

(9-02)

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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	Amount of		Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8) Derivative				Securities		(Instr. 5)	Bene
	Derivative				Securities Acquired (A) or			(Instr. 3	and 4)		Own
	Security										Follo
	•										Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3, 4, and 5)						
								Λ.	mount		
									mount		
						Date	Expiration Date	Title N	r Jumber		
						Exercisable		Title Numb			
				C + V	(A) (D)						
			Code V (A) (D)					S	hares		

Reporting Owners

Relationships Reporting Owner Name / Address Officer Other Director 10% Owner

Waldman Eyal C/O MELLANOX TECHNOLOGIES, LTD. **HERMON BLDG YOKNEAM, L3 20692**

Chief Executive Officer

Signatures

/s/ Eyal Waldman by Michael Gray, Power of Attorney

04/07/2011

**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 sales reported in the Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on July 30, 2010.
- Includes 41,954 restricted stock units ("RSUs"), which were granted to the reporting person on January 5, 2010 (from an original grant of (2) 45,000 RSUs) and previously reported in Table II of the Reporting Person's Form 4 filed on January 5, 2010, as amended on January 8, 2010. The Reporting Person has elected to report his direct ownership of these RSUs in Table I of this Form 4.
- Shares held by Waldo 2 Holdings, a general partnership formed pursuant to the laws of Israel of which Mr. Waldman is a general partner. Mr. Waldman has sole voting and dispositive power over all of the shares reported on this Form 4.

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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