Waldman Eyal Form 4 March 14, 2013

FORM 4

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

OMB Number: 3235-0287

Form filed by More than One Reporting

Person

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005
Estimated average burden hours per

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

See Instruction

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

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1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person <u>*</u> Waldman Eyal			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			Mellanox Technologies, Ltd. [MLNX]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	_X_ Director 10% OwnerX_ Officer (give title Other (specify			
C/O MELLA	NOX		03/12/2013	below) below) President, CEO, Chairman			
TECHNOLO	OGIES, LT	D.,, BEIT		resident, elo, chamman			
MELLANOX	X						
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
			Filed(Month/Day/Year)	Applicable Line)			
				X Form filed by One Reporting Person			

YOKNEAM, L3 20692

(City)	(State)	(Zip) Ta	ble I - Non	-Derivativ	ve Sec	urities Acqu	ired, Disposed o	f, or Benefici	ally Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securitor Dispose (Instr. 3,	sed of 4 and (A) or	` '	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Ordinary Shares	03/12/2013		S	2,026 (1) (2)	D	\$ 60.6998 (3)	168,413 (4)	D	
Ordinary Shares	03/12/2013		S	932 (1)	D	\$ 61.4249 (5)	167,481 (4)	D	
Ordinary Shares	03/12/2013		S	700 <u>(1)</u> <u>(2)</u>	D	\$ 62.4429	166,781 <u>(4)</u>	D	

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Ordinary Shares	03/12/2013	S	966 <u>(1)</u> <u>(2)</u>	D	\$ 63.4712 <u>(7)</u>	165,815 (4)	D	
Ordinary Shares	03/12/2013	S	1,100 (1) (2)	D	\$ 64.7127 (8)	164,715 <u>(4)</u>	D	
Ordinary Shares	03/12/2013	S	970 <u>(1)</u> <u>(2)</u>	D	\$ 65.2249 (9)	163,745 (4)	D	
Ordinary Shares						1,426,043	I	By Partnership (10)

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474

(9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transact Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3,		ate	7. Titl Amou Under Secur (Instr.	int of lying	8. Price of Derivative Security (Instr. 5)	
				Code V	4, and 5)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships					
. 9	Director	10% Owner	Officer	Other		
Waldman Eyal C/O MELLANOX TECHNOLOGIES, LTD., BEIT MELLANOX YOKNEAM, L3 20692	X		President, CEO, Chairman			

Reporting Owners 2

Signatures

/s/ Eyal Waldman by Jacob Shulman, Power of Attorney

03/14/2013

**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) Restricted share units ("RSU's"). The Reporting Person is entitled to receive one (1) ordinary share for each one (1) RSU.
- The sales reported in the Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on October 22, 2012.
- This transaction was executed in multiple trades in prices ranging from \$60.04 to \$61.02. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.
- (4) Includes 101,438 unvested Restricted Share Units (RSU's). Upon vesting thereof, the Reporting Person is entitled to receive one (1) Ordinary Share for each one (1) RSU upon vesting.
- This transaction was executed in multiple trades in prices ranging from \$61.17 to \$62.00. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.
- This transaction was executed in multiple trades in prices ranging from \$62.04 to \$62.70. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.
- This transaction was executed in multiple trades in prices ranging from \$63.04 to \$64.03. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.
- This transaction was executed in multiple trades in prices ranging from \$64.27 to \$65.01. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.
- This transaction was executed in multiple trades in prices ranging from \$65.08 to \$65.56. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.
- (10) 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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