Mellanox Technologies, Ltd. Form 4 September 02, 2015

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB

Washington, D.C. 20549

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2005

OMB APPROVAL

if no longer subject to Section 16. Form 4 or Form 5

Check this box

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Cohen Shai Issuer Symbol Mellanox Technologies, Ltd. (Check all applicable) [MLNX] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) C/O MELLANOX 08/31/2015 Chief Operating Officer TECHNOLOGIES, LTD.,, BEIT **MELLANOX** (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 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 3. 4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of Transaction(A) or Disposed of (D) Form: Direct Indirect Security (Month/Day/Year) Execution Date, if Securities (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially (D) or (Month/Day/Year) (Instr. 8) Owned Indirect (I) Following (Instr. 4)

> Reported (A) Transaction(s) or (Instr. 3 and 4) (D) Price Code V Amount

\$ Ordinary 08/31/2015 Α 494 A 34.37 $250,732 \frac{(2)}{}$ D Shares (1)

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Beneficial

Ownership

(Instr. 4)

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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 Exercisable and		7. Titl	e and	8. Price of	٥		
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration Date		Amount of		Derivative	J
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	5
(Instr. 3)	Price of		(Month/Day/Year) (Instr. 8) Derivativ		Se		Securities		(Instr. 5)]	
	Derivative		•		Securities Acquired			(Instr.	3 and 4)		(
	Security							`]
	J		(A) or]	
					Disposed						-
					of (D)						(
					(Instr. 3, 4, and 5)						
					.,						
									Amount		
							Expiration Date	Title	or		
									Number		
									of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Cohen Shai C/O MELLANOX TECHNOLOGIES, LTD., BEIT MELLANOX YOKNEAM, L3 20692

Chief Operating Officer

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

Signatures

/s/ Shai Cohen by Jacob Shulman, Power of Attorney

09/02/2015

**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) These shares were acquired pursuant to and in accordance with the Issuer's Employee Share Purchase Plan, and are exempt pursuant to Rule 16b.
- (2) Includes 33,375 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.

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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