Kagan Michael Form 4 September 05, 2017

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

SECURITIES

Washington, D.C. 20549 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

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

Check this box

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

See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

Kagan Michael

(Last) (First) (Middle)

C/O MELLANOX TECHNOLOGIES, LTD.,, HAKIDMA 26, OFER

Ordinary

Shares

INDUSTRIAL PARK

(Street)

Filed(Month/Day/Year)

YOKNEAM, L3 2069200 (City) (State) (Zip)

08/31/2017

2. Issuer Name and Ticker or Trading

Symbol

Mellanox Technologies, Ltd. [MLNX]

3. Date of Earliest Transaction

4. If Amendment, Date Original

(Month/Day/Year) 08/31/2017

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

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

below) CTO & VP of Architecture

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person

Form filed by More than One Reporting

D

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)

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

V 483 (1) A

Owned

Securities Beneficially Following Reported

5. Amount of

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

(A) Transaction(s) or Code V Amount (D) Price

39.91

(Instr. 3 and 4)

190,233 (2)

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)

1

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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

Kagan Michael C/O MELLANOX TECHNOLOGIES, LTD., HAKIDMA 26, OFER INDUSTRIAL PARK YOKNEAM, L3 2069200

CTO & VP of Architecture

Signatures

/s/ Michael Kagan by Cheryl Ganapol, Power-of-Attorney

09/05/2017

**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).
- These shares were acquired pursuant to and in accordance with the Issuer's Employee Share Purchase Plan, and are exempt pursuant to **(1)** Rule 16b.
- Includes 36,765 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.

Reporting Owners 2