Sultzbaugh Marc Form 4 September 11, 2018

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

Form 5

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

OMB APPROVAL OMB

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

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 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 * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Sultzbaugh Marc Issuer Symbol Mellanox Technologies, Ltd. (Check all applicable) [MLNX] 10% Owner (Last) (First) (Middle) 3. Date of Earliest Transaction Director Other (specify X_ Officer (give title (Month/Day/Year) below) 350 OAKMEAD 09/07/2018 Sr. VP World Wide Sales PARKWAY, SUITE 100 (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

SUNNYVALE, CA 94085

(State)

(Zip)

(City)

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

Form filed by More than One Reporting

		141	able 1 - Non-Derivative Securities Acquired, Disposed of, or Deficiency Owned						
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio	4. Securities Acquired (A) our Disposed of (D)			5. Amount of Securities	6. Ownership	7. Nature of Indirect
(Instr. 3)	•	any	Code	(Instr. 3, 4 and 5)			Beneficially	Form:	Beneficial
		(Month/Day/Year)	(Instr. 8) Code V	Amount	(A) or (D)	Price	Owned Following Reported Transaction(s) (Instr. 3 and 4)	Direct (D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)
Ordinary Shares	09/07/2018		M	10,000	A	\$ 10.23	80,882 (1)	D	
Ordinary Shares	09/07/2018		S	10,000	D	\$ 76.1253	70,882	D	

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 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. Transactic Code (Instr. 8)			6. Date Exerc Expiration D (Month/Day/	ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right To Buy)	\$ 10.23	09/07/2018		M	10,0	000	(3)	04/22/2019	Ordinary Shares	10,000

Reporting Owners

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

Sultzbaugh Marc 350 OAKMEAD PARKWAY SUITE 100 SUNNYVALE, CA 94085

Sr. VP World Wide Sales

Signatures

/s/ Marc Sultzbaugh by Cheryl Ganapol, Power-of-Attorney

09/11/2018

**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) Includes 39,312 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.
- This transaction was executed in multiple trades in prices ranging from \$75.85 to \$76.60. The price reported above reflects the weighted (2) 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.
- (3) The ordinary shares subject to this option are fully vested and exercisable.

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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