Sultzbaugh Marc Form 4 August 11, 2011

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

January 31, Expires: 2005

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

Estimated average burden hours per response...

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

0.5

1(b).

Shares

08/11/2011

(Print or Type Responses)

1. Name and Address of Reporting Person * Sultzbaugh Marc			2. Issuer Name and Ticker or Trading Symbol Mellanox Technologies, Ltd. [MLNX]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last) 350 OAKMEA PARKWAY,		(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 08/09/2011	Director 10% Owner Other (specify below) VP World Wide Sales		
SUNNYVALI	(Street) E, CA 94085	i	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

							2 010011		
(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative	Secu	rities Acqu	ired, Disposed of	, or Beneficiall	y 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. Securi or(A) or Di (Instr. 3,	ispose	d of (D)	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	08/09/2011		M	168	A	\$ 9.19	26,103 (1)	D	
Ordinary Shares	08/09/2011		S	168	D	\$ 29.08	25,935 (1)	D	
Ordinary Shares	08/11/2011		M	1,199	A	\$ 9.19	27,134 (1)	D	
Ordinary	08/11/2011		S	1,199	D	\$ 30.072	25,935 <u>(1)</u>	D	

3,801

M

(2)

\$ 8.23

 $29,736 \frac{(1)}{}$

D

Ordinary Shares

Ordinary Shares 08/11/2011 S 3,801 D \$\frac{\\$}{30.072}\$ 25,935 \(\frac{(1)}{2}\) D

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)

8. F Der Sec (Ins

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)	5. Number on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (E		Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 9.19	08/09/2011		M	16	68	(3)	10/25/2016	Ordinary Shares	168
Stock Option (Right to Buy)	\$ 9.19	08/11/2011		M	1,1	99	(3)	10/25/2016	Ordinary Shares	1,199
Stock Option (Right to Buy)	\$ 8.23	08/11/2011		M	3,8	801	(3)	12/25/2018	Ordinary Shares	3,801

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Sultzbaugh Marc VP World Wide Sales

350 OAKMEAD PARKWAY

Reporting Owners 2

SUITE 100 SUNNYVALE, CA 94085

Signatures

/s/ Marc Sultzbaugh by Michael Gray, Power of Attorney

08/11/2011

**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).
- $\textbf{(1)} \quad \text{Includes 21,250 restricted share units ("RSUs")}. \ \text{The Reporting Person is entitled to receive one (1) ordinary share for each one (1) RSU}.$
- This transaction was executed in multiple trades in prices ranging from \$30.00 to \$30.15. 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 shareholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.
- (3) The 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.

Signatures 3