



Form 4

Mellanox Technologies, Ltd. - MLNX

October, 31 2007

Statement of changes in beneficial ownership of securities

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL	
OMB Number:	3235-0287
Expires:	January 31, 2008
Estimated average burden hours per response	0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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. Name and Address of Reporting Person <u>Sultzbaugh Marc</u>			2. Issuer Name and Ticker or Trading Symbol <u>Mellanox Technologies, Ltd. [MLNX]</u>		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>VP WorldWide Sales</u>
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>10/29/2007</u>		
2900 STENDER WAY					6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
(Street)	(City)	(State)	4. If Amendment, Date of Original Filed (Month/Day/Year)		
SANTA CLARA	CA	95054			

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			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)
			Code	V	Amount	(A) or (D)	Price			
Ordinary Shares	10/29/2007		S		210	D	\$22.94	7,987	D	
Ordinary Shares	10/29/2007		S		145	D	\$22.95	7,842	D	
Ordinary Shares	10/29/2007		S		500	D	\$23	7,342	D	
Ordinary Shares	10/29/2007		S		200	D	\$23.01	7,142	D	
Ordinary Shares	10/29/2007		S		100	D	\$22.87	7,042	D	
Ordinary Shares	10/29/2007		S		100	D	\$22.92	6,942	D	
Ordinary Shares	10/29/2007		S		125	D	\$22.94	6,817	D	
Ordinary Shares	10/29/2007		S		978	D	\$23	5,839	D	
Ordinary Shares	10/29/2007		S		2,500	D	\$23.01	3,339	D	
Ordinary Shares	10/29/2007		S		322	D	\$23.02	3,017	D	
Ordinary Shares	10/29/2007		S		800	D	\$23.05	2,217	D	
Ordinary Shares	10/29/2007		S		75	D	\$23.08	2,142	D	

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. Transaction Code (Instr. 8)		5. Number of 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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date					

Explanation of Responses:

Remarks:

/s/ Marc Sultzbaugh by
Michael Gray, Power of
Attorney 10/31/2007

** Signature of Reporting Person Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.