Sultzbaugh Marc Form 4 January 03, 2008

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

3235-0287 Number: January 31,

2005 Estimated average

0.5

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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

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person *

Sultzbaugh Marc

2. Issuer Name and Ticker or Trading

Symbol

Mellanox Technologies, Ltd.

[MLNX]

(Last) (First)

2900 STENDER WAY

3. Date of Earliest Transaction

(Month/Day/Year)

12/31/2007

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

below)

(Check all applicable)

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

VP WorldWide Sales

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

SANTA CLARA, CA 95054

(City) (State) (Zip)

(Street)

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

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Middle)

(Month/Day/Year)

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

5. Amount of Securities Beneficially Owned

6. Ownership Form: Direct (I) (Instr. 4)

7. Nature of Indirect (D) or Indirect Beneficial Ownership (Instr. 4)

(A)

Reported Transaction(s)

Following

(Instr. 3 and 4) Code V Amount (D) Price

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.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security

Conversion or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year) Execution Date, if

any

4. 5. Number of **Transaction**Derivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amour **Underlying Securit** (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed o (D) (Instr. 3, 4, and 5)	f			
				Code V	(A) (D) Date Exercisable	Expiration Date	Title	Amou or Numl of Sh
Incentive Stock Option (right to buy)	\$ 18.22	12/31/2007		A	384	<u>(1)</u>	12/30/2017	Ordinary Shares	38
Non-Qualified Stock Option (right to buy)	\$ 18.22	12/31/2007		A	31,616	(1)	12/30/2017	Ordinary Shares	31,6

Reporting Owners

Reporting Owner Name / Address	Relationships

Director 10% Owner Officer Other

Sultzbaugh Marc 2900 STENDER WAY SANTA CLARA, CA 95054

VP WorldWide Sales

Signatures

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

01/03/2008

**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) 1/4th of the shares subject to the option vest on 12/31/2008. The remainder vest at a rate of 1/48th per month thereafter, such that 100% of the shares subject to the option will be fully vested in 4 years.

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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