KAUFMAN STEPHEN P

Form 4/A

November 01, 2007

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287

Expires:

January 31, 2005

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if no longer subject to Section 16. Form 4 or

Check this box

Form 5 obligations may continue.

(Middle)

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

See Instruction 1(b).

(Last)

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person * KAUFMAN STEPHEN P

(First)

2. Issuer Name and Ticker or Trading Symbol

3. Date of Earliest Transaction

Issuer

5. Relationship of Reporting Person(s) to

KLA TENCOR CORP [KLAC]

(Check all applicable)

(Month/Day/Year) 05/01/2007

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

6. Individual or Joint/Group Filing(Check

(Instr. 4)

C/O KLA-TENCOR CORPORATION, ONE **TECHNOLOGY DRIVE**

> (Street) 4. If Amendment, Date Original

> > Filed(Month/Day/Year) Applicable Line)

05/03/2007

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

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

below)

MILPITAS, CA 95035

(City) (State) (Zip) 1. Title of 2. Transaction Date 2A. Deemed

4. Securities 3. (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8)

5. Amount of Securities Beneficially Owned

Following

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

(Instr. 4)

Reported (A) Transaction(s) or (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 3. Transaction Date 3A. Deemed Derivative (Month/Day/Year) Execution Date, if Transaction Derivative Date Conversion

5. Number

6. Date Exercisable and Expiration

7. Title and A Underlying S

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any

(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr.	8)	Acquired (A) or Disposed (D) (Instr. 3, and 5)	d of	f		
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title
Non-Qualified Stock Option (Rights to Buy)	\$ 55.88	05/01/2007		A		1,250		05/01/2007(1)	05/01/2014(2)	Common Stock

Code

Securities

(Month/Day/Year)

(Instr. 3 and 4

Reporting Owners

or Exercise

Reporting Owner Name / Address	Relationships					
topoloning of many readings	Director	10% Owner	Officer	Other		
KAUFMAN STEPHEN P C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035	X					

Signatures

Security

/s/ Brian Martin as Attorney-in-fact for Stephen P.
Kaufman
11/01/2007

**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) The Option is immediately exercisable for all the underlying shares.
- (2) The Option expiration date was reported incorrectly on the original Form 4.

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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