Trafas Brian M. Form 4 August 08, 2017

FORM 4

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

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** Form 4 or Form 5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations 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).

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

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(Print or Type Responses)

1. Name and Address of Reporting Person * Trafas Brian M.

2. Issuer Name and Ticker or Trading Symbol

Issuer

5. Relationship of Reporting Person(s) to

(Last)

(First) (Middle) KLA TENCOR CORP [KLAC]

(Check all applicable)

C/O KLA-TENCOR CORPORATION, ONE **TECHNOLOGY DRIVE** 3. Date of Earliest Transaction (Month/Day/Year)

08/04/2017

Director 10% Owner _X__ Officer (give title _ Other (specify below)

Senior Vice President

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

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

MILPITAS, CA 95035

(City)	(State) (Z	(Zip) 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. Transactic Code (Instr. 8)	4. Securion(A) or D (Instr. 3,	ispose 4 and (A) or	ed 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)		
Common Stock	08/04/2017		M	3,450 (1)	A	\$ 0	3,450	D			
Common Stock	08/04/2017		F	1,801 (2)	D	\$ 88.83	1,649	D			
Common Stock	08/06/2017		M	8,456 (3)	A	\$ 0	10,105	D			
Common Stock	08/06/2017		F	4,413 (4)	D	\$ 88.83	5,692	D			
Common Stock	08/07/2017		M	1,837 (5)	A	\$ 0	7,529	D			

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Common Stock	08/07/2017	F	959 (6)	D	\$ 92.01	6,570	D
Common Stock	08/07/2017	S	5,692 (7)	D	\$ 89.15	878	D
Common Stock -							
Restricted						34,043 (9)	D
Stock Units							
(8)							

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

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(9-02)

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)	4. Transactic Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			7. Title Amount Underly Securiti (Instr. 3	unt of rlying	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships						
• 0	Director	10% Owner	Officer	Other			
Trafas Brian M. C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035			Senior Vice President				

Signatures

/s/ Teri Little as Attorney-in-Fact for Brian M.
Trafas 08/08/2017

**Signature of Reporting Person Date

Reporting Owners 2

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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) On August 4, 2016, the Reporting Person received a grant of RSUs covering 13,800 shares of KLA-Tencor common stock. On August 4, 2017, the Reporting Person vested in 25% of such RSUs.
- (2) Pursuant to such terms of the August 4, 2016 RSU grant, 1,801 shares of KLA-Tencor common stock were automatically withheld at vesting to cover required tax withholding.
- On August 6, 2013, August 6, 2013, and August 6, 2015, the Reporting Person received a grant of RSUs or PRSUs covering 7,150 (3) (RSU), 7,150 (PRSU) and 8,800 (RSU) shares of KLA-Tencor common stock, respectively. On August 6, 2017, the Reporting Person vested in 25% of such RSUs and 50% of the PRSUs.
- (4) Pursuant to such terms of the August 6, 2013, August 6, 2013 and August 6, 2015 grants, 4,413 shares of KLA-Tencor common stock were automatically withheld at vesting to cover required tax withholding.
- On August 7, 2014, the Reporting Person received a grant of RSUs covering 7,350 shares of KLA-Tencor common stock. On August 7, 2017, the Reporting Person vested in 25% of such RSUs.
- (6) Pursuant to such terms of the August 7, 2014 RSU grant, 959 shares of KLA-Tencor common stock were automatically withheld at vesting to cover required tax withholding.
- (7) This sale was effected pursuant to the terms of a Rule 10b5-1 trading plan adopted by the Reporting Person on November 29, 2016.
- (8) Each restricted stock unit ("RSU") represents a contingent right to receive one share of KLA-Tencor common stock.
 - Does not include performance-based RSUs, if any, held by the Reporting Person for which an assessment has not yet been made
- (9) regarding the achievement of the applicable performance goals. Any such holdings will be reported on a Form 4 within two business days of the date such assessment is made.

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.