Trafas Brian M. Form 4 November 14, 201

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations

Symbol

Number: January 31, 2005
Estimated average

OMB APPROVAL

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OMB

5. Relationship of Reporting Person(s) to

Issuer

burden hours per response... 0.5

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

2. Issuer Name and Ticker or Trading

KLA TENCOR CORP [KLAC]

(Print or Type Responses)

Trafas Brian M.

1. Name and Address of Reporting Person *

1(b).

		KLA TI	KLA TENCOR CORP [KLAC]				(Check all applicable)			
(Last) C/O KLA-T: CORPORAT TECHNOLO	ENCOR	(Month/D	3. Date of Earliest Transaction (Month/Day/Year) 11/11/2018				Director 10% Owner Softier (give title Other (specify below) below) Executive Vice President			
	Amendment, Date Original				6. Individual or Joint/Group Filing(Check					
MILPITAS,	CA 95035	Filed(Mor	Filed(Month/Day/Year)				Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	e 2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 3, 4 and 5) (ar) (Instr. 8) (A) or			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)	
Common Stock - Restricted Stock Units	11/11/2018		M	1,338	D	\$ 0	40,776 <u>(3)</u>	D		
Common Stock	11/11/2018		M	1,338 (2)	A	\$ 0	1,338	D		
Common Stock	11/11/2018		F	664 (4)	D	\$ 95.28	674	D		
Common	11/12/2018		S	674 (5)	D	\$	0	D		

Stock 93.74

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

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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. Transac Code (Instr. 8	5. tionNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	S	ate	7. Title Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)
				Code V	/ (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Trafas Brian M. C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035

Executive Vice President

Signatures

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

11/12/2018

**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) Each restricted stock unit ("RSU") represents a contingent right to receive one share of KLA-Tencor common stock.
- (2) On November 11, 2018 the reporting person was granted RSUs for an aggregate of 5,353 shares. On November 11, 2018, 25% of the RSUs vested.
- (3) Does not include performance-based RSUs, if any, held by the Reporting Person for which an assessment has not yet been made regarding the achievement of the applicable performance goals. Any such holdings will be reported on a Form 4 within two business days

Reporting Owners 2

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of the date such assessment is made.

- Pursuant to the terms of the grant, shares of KLA-Tencor common stock were automatically withheld at vesting to cover required tax (4) withholding. The fair market value of KLA-Tencor common stock used for purposes of calculating the number of shares to be withheld was the closing price of KLA-Tencor common stock as reported on November 9, 2018.
- (5) This sale was effected pursuant to the terms of a Rule 10b5-1 trading plan adopted by the Reporting Person on November 9, 2017.

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

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