Lorig Brian Form 4 August 08, 2017

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

FICIAL OWNERSHIP OF Expires: January 31, 2005

Estimated average burden hours per response... 0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

may continue.

See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Lorig Brian			2. Issuer Name and Symbol KLA TENCOR CO	Č	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(Last) (First) (Middle		3. Date of Earliest Tra	nsaction	(Check all applicable)			
ONE TECH	INOLOGY D	RIVE	(Month/Day/Year) 08/04/2017		DirectorX Officer (give t below)	itle 10% below) SVP		
	(Street)		4. If Amendment, Date	e Original	6. Individual or Join	nt/Group Filin	ıg(Check	
MILPITAS,	, CA 95035		Filed(Month/Day/Year)		Applicable Line) _X_ Form filed by Or Form filed by Mo Person			
(City)	(State)	(Zip)	Table I - Non-De	rivative Securities Acq	uired, Disposed of,	or Beneficial	ly Owned	
1.Title of	2. Transaction	n Date 2A. Dee	emed 3.	4. Securities Acquired	5. Amount of	6.	7. Natur	

(City)	(State) (Z	Zip) Table	e I - Non-D	erivative Se	curiti	ies Acqu	ired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired 5. Amo e, if Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) Securities Acquired 5. Amo Securities Acquired 6. Amo Securities Acquired 7. Amo Securities Acquired 8. Amo Securities Acquired 8. Amo Securities Acquired 8. Amo Securities Acquired 9. Amo Secu		5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Stock	08/04/2017		Code V M	Amount ((D)	Price \$ 0	(Instr. 3 and 4) 2,116	D	
Common Stock	08/04/2017		F	583 <u>(2)</u> I		\$ 88.83	1,533	D	
Common Stock - Restricted Stock Units							22,748 (4)	D	

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

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SEC 1474 (9-02)

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title a	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration D	ate	Amount	of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securitie	es	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	and 4)		Own
	Security				Acquired						Follo
	·				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									mount		
						Date	Expiration	01			
						Exercisable	Date		umber		
								of			
				Code V	(A) (D)			S	hares		

Reporting Owners

Reporting Owner Name / Address	Relationships					
r	Director	10% Owner	Officer	Other		
Lorig Brian						
ONE TECHNOLOGY DRIVE			CVD			

Signatures

MILPITAS, CA 95035

/s/ Teri A. Little, attorney-in-fact for Brian 08/07/2017 Lorig

> **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).
- On August 4, 2016, the Reporting Person received a grant of RSUs covering 6,200 shares of KLA-Tencor common stock. On August 4, **(1)** 2017, the Reporting Person vested in 25% of such RSUs.
- Pursuant to such terms of the August 4, 2016 RSU grant, 583 shares of KLA-Tencor common stock were automatically withheld at **(2)** vesting to cover required tax withholding.
- (3) 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 (4) 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.

Reporting Owners 2

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