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

OMB APPE	ROVAL
OMB Number:	3235-0287
Estimated average	burden
hours por rosponso	0.5

longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Print or Ty	e Responses)													
1. Name and Address of Reporting Person * DICKSON JOHN T			2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) (First) (Middle) C/O KLA-TENCOR CORPORATION, ONE TECHNOLOGY DRIVE			3. Date of Earliest Transaction (Month/Day/Year) 10/30/2007							Officer (give	title below)	Other	(specify below)		
		(Street)								_X_ F	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person				
MILPITA (Cit	AS, CA 950	(State)	(Zip)												
(Cit		(State)	1				_		vative Securities	s Acquired,	Disposed o	of, or Benefi	icially Owned		
1.Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Year	r) any		Date, if (de (A	Securities Acqual or Disposed of astr. 3, 4 and 5)	f (D) Owne Trans	D) Owned Followin Transaction(s)		, F	Ownership of orm:	Beneficial
				(Mont	(Month/Day			Code V A	(A) or mount (D)	Price	(Instr. 3 and 4)			Direct (D) C or Indirect (I) (I) (Instr. 4)	Ownership Instr. 4)
1. Title of Derivative Security (Instr. 3)	2. Conversion		Table II 3A. Deemed Execution Date, if	- Deriva (e.g., p 4. Transac Code	tive uts,	Securit calls, w	ties A arranber tive	Persons in this f a currer	e	quired to re control nu icially Owne	espond u mber. ed d Amount ring	8. Price of		s	Beneficia Ownershi (Instr. 4)
						Disposed of (D) (Instr. 3, and 5)		Date	Expiration		Amount		Reported Transaction(s (Instr. 4)	or Indirec (I) (Instr. 4)	
				Code	v	(A)	(D)	Exercisable	Date	Title	Number of Shares				
Non- Qualified Stock	\$ 52.84	10/30/2007		A		1,250		10/30/2007	10/30/2014	Common	1,250	\$ 0	1,250	D	

	Relationships					
Reporting Owner Name / Address	Director	10% Owner	Officer	Other		
DICKSON JOHN T C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035	X					

Signatures

/s/ Brian Martin as Attorney-in-Fact for John T. Dickson	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.

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.