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

OMB APPR	OVAL
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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

e Responses)															
1. Name and Address of Reporting Person * BINGHAM H RAYMOND				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					
(Last) (First) (Middle) C/O KLA-TENCOR CORPORATION, ONE TECHNOLOGY DRIVE				3. Date of Earliest Transaction (Month/Day/Year) 10/30/2007												7)
(Street)				4. If Amendment, Date Original Filed(Month/Day/Year)							6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by More than One Reporting Person Form filed by More than One Reporting Person					
S, CA 950	(State)	(Zip)				Tab	do I. Non D	orivot	tivo Coouriti	ns A a a u	uired D	ispasad a	f or Donofi	aially Owner	<u> </u>	
1.Title of Security 2. Transaction (Instr. 3) Date		ır) any		Date, if	3. T Coo	Fransaction 4. Securities Acquire (A) or Disposed of (uired	ed D) S. Amount of Se Owned Followin Transaction(s)		ecurities Beneficially		6. Ownership Form:	7. Nature of Indirect Beneficial Ownership		
						(Code V	Amo	ount (A) or (D)	Price				or Indirect	(Instr. 4)	
2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Table II - Derivative Securities Acquired, Disposed of, or Beneficially O (e.g., puts, calls, warrants, options, convertible securities) Transaction 3A. Deemed 4. 5. Number of Execution Date, if Month/Day/Year any Code Derivative Code Derivative Code Derivative Code Derivative Code Code				Owned	Amount	8. Price of	9. Number of Derivative Securities Beneficially Owned Following Reported	f 10. Ownersh Form of Derivativ Security: Direct (I or Indire	(Instr. 4)					
			Code	V	(Instr. 3 and 5)		Date Exercisable		Expiration Date	Title	e	Amount or Number of Shares		(Instr. 4)		
\$ 52.84	10/30/2007		A	,	1,250	(2)	10/30/200)7 <mark>(1)</mark>	10/30/201	41		1,250	\$ 0	1,250	D	
	1 Address of M H RAY) -TENCOF DLOGY DI SS, CA 950 curity Report on a so 2. Conversion or Exercise Price of Derivative Security	Address of Reporting Person MH RAYMOND TENCOR CORPORATION LOGY DRIVE (Street) S, CA 95035 (State) Courity 3. Transaction Conversion or Exercise Price of Derivative Security	Address of Reporting Person MH RAYMOND) (First) (Middle) -TENCOR CORPORATION, ONE DLOGY DRIVE (Street) AS, CA 95035 curity 2. Transaction Date (Month/Day/Year) Table II 2. Conversion or Exercise Price of Derivative Security 3. Transaction Date (Month/Day/Year) 3. M. Deemed Execution Date, if any (Month/Day/Year)	Address of Reporting Person* M H RAYMOND (First) (Middle) (TENCOR CORPORATION, ONE DLOGY DRIVE (Street) (State) (State) (Zip) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Table II - Deriva (e.g., p.	Address of Reporting Person* M H RAYMOND (First) (Middle) (TENCOR CORPORATION, ONE DLOGY DRIVE (Street) (State) (Zip) 2. Transaction Date (Month/Day/Year) Report on a separate line for each class of securities beneficially of any (Month/Day/Year) Table II - Derivative (e.g., puts, any (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction One Exercise (Month/Day/Year) (Month/Day/Year) A. Deemed Execution Date (e.g., puts, any (Month/Day/Year) (Month/Day/Year) Code Code V Code V	Address of Reporting Person MH RAYMOND (First) (Middle) (ATENCOR CORPORATION, ONE DLOGY DRIVE (Street) 4. If Amendment, Discourity (Street) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) (Report on a separate line for each class of securities beneficially owned directly of Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (A) or Disposo of (D) (Instr. 2 and 5) (Code V (A)	Address of Reporting Person — Securities Diagrams (First) (Middle) (Street) (Month/Day/Year) (State) (Zip) (Address of Reporting Person* M H RAYMOND Code (First) (Middle) (Street) (Street) (Street) (Struct) (Struct) (Zip) (Zip) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) 3. Transaction Code (Instr. 8) Code (Instr. 8) Code (Instr. 8) Code (Instr. 8) Date Execution Date, if Code (Instr. 8) Code (Instr. 8) Date Execution Date, if Code (Instr. 8) Date Exercisable Code V (A) (D)	Address of Reporting Person ** M H RAYMOND OFFICE (Street) OFFICE (Stree	Address of Reporting Person Americal Address of Reporting Person Box M H RAYMOND 1. (First) (Middle)	Address of Reporting Person* M H RAYMOND (First) (Middle) (Street) (A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or Disposed of (D) (Instr. 3, 4 and 5) (Instr. 3, 4, and 5) (Instr.	Address of Reporting Person Amely Reporting Person (First) (Middle) (First) (Middle) (And TENCOR CORP [KLAC] (Middle) (Street) (Street) (Street) (Street) (Street) (Street) (Street) (Street) (Anoth/Day/Year) (Street) (Street) (Street) (Street) (Street) (Anoth/Day/Year) (Anoth/Day/Year) (Street) (Stre	1 Address of Reporting Person.* M H RAYMOND (First) (Middle) (-TENCOR CORPORATION, ONE (Street) (Street) (Street) (Street) (Street) (Street) (Street) (A) (Month/Day/Year) (Street) (A) (A) (Composition Price (A) (A) (Composition Price (Code (2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC] TENCOR CORPORATION, ONE LOGY DRIVE 4. If Amendment, Date Original Filed(Month/Day/Year) (State) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 3. Date of Earliest Transaction (Month/Day/Year) 4. If Amendment, Date Original Filed(Month/Day/Year) 5. Relationship of Reporting (Check Officer (give title below) 7. Table I - Non-Derivative Securities Acquired, Disposed of, or Benefic and Amount of Securities Acquired (Instr. 8) 8. Amount of Securities Acquired (Instr. 8) 1. Table II - Derivative Securities Acquired, Disposed of (Disposed o	Address of Reporting Person." 2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC] 5. Relationship of Reporting Person(s) to (Check all applicable of the Person (Madale) 7. Per	Address of Reporting Persons Lost Text Core Core KLA TEXCOR CORP (KLAC) S. Relationship of Reporting Persons) to Issuer M H RAYMOND KLA TEXCOR CORP (KLAC) S. Detector Display Green Display Displ

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

Signatures

/s/ Brian Martin as Attorney-in-Fact for H. Raymond Bingham	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.