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

OMB APPR	OVAL
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hours per response	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 Typ	e Responses)														
1. Name and Address of Reporting Person *- URBANEK LIDA			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 to	itle below)		(specify below)	
(Street)			4. If Amendment, Date Original Filed(Month/Day/Year)						_X_ For	6. Individual or Joint/Group Filing(Check Applicable Line) X_ Form filed by One Reporting PersonForm filed by More than One Reporting Person						
	S, CA 950											ii iiicu by ivi	ore than One R	porting reison		
(City	7)	(State)	(Zip)				Tab	ole I - Non-Der	ivative S	Securities .	Acquired, D	isposed o	f, or Benefi	cially Owned		
(Instr. 3)		2. Transaction Date (Month/Day/Year	2A. Deem Execution any (Month/Da		Date, if	Coo (Ins	Transaction 4. Securities Acqu (A) or Disposed of (Instr. 3, 4 and 5)		sposed of (ecurities Beneficially ng Reported		Ownership o Form:	7. Nature of Indirect Beneficial Ownership	
							(Code V Amount (D) Price			(or Indirect (I I) Instr. 4)	Instr. 4)			
Derivative Conversion Date Exe Security or Exercise (Month/Day/Year) any		3A. Deemed Execution Date, if	4. Transac Code	5. Number		a currently valid OME cquired, Disposed of, or Benefits, options, convertible securi 6. Date Exercisable and Expiration Date (Month/Day/Year)		lid OMB of or Benefic	ontrol nun	Amount	Amount 8. Price of Derivative Security	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s	10. Ownershi Form of Derivativ Security: Direct (D or Indirect)	Beneficial Ownership (Instr. 4)		
						(Instr. 3	3, 4,							(Instr. 4)	(Instr. 4)	
				Code	V	(Instr. 3 and 5)	(D)	Date Exercisable	Exp Date	piration e	Title	Amount or Number of Shares		(Instr. 4)	(Instr. 4)	

Reporting Owners

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

Signatures

/s/ Brian Martin as Attorney-in-Fact for Lida Urbanek	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.