

KLA TENCOR CORP  
Form 4  
March 30, 2007

**FORM 4**

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

OMB APPROVAL

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Check this box if no 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, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
BINGHAM H RAYMOND

(Last) (First) (Middle)

C/O KLA-TENCOR CORPORATION, 160 RIO ROBLES

(Street)

SAN JOSE, CA 95130

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
KLA TENCOR CORP [KLAC]

3. Date of Earliest Transaction  
(Month/Day/Year)  
03/29/2007

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3)                    | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 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 Ownership (Instr. 4) |
|--|--------------------------------------|--|--------------------------------|---|---|--|--|
| Common Stock-Restricted Stock Units <sup>(1)</sup> | 03/29/2007                           |  | A                              | 935 A   | \$ 0 <sub>(2)</sub> 1,935   | 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)**

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| 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. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |              |                            |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--------------|----------------------------|
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable   | Expiration Date   | Title        | Amount or Number of Shares |
| Non-Qualified Stock Option (right to buy)  | \$ 40.24   |                                      |  |                                |   | 05/11/2005   | 05/11/2015  | Common Stock | 2,500                      |
| Non-Qualified Stock Option (right to buy)  | \$ 40.68   |                                      |  |                                |   | 10/18/2004   | 10/18/2014  | Common Stock | 2,500                      |
| Non-Qualified Stock Option (right to buy)  | \$ 41.45   |                                      |  |                                |   | 08/01/2006   | 08/01/2013  | Common Stock | 1,250                      |
| Non-Qualified Stock Option (right to buy)  | \$ 44.76   |                                      |  |                                |   | 01/25/2005   | 01/25/2015  | Common Stock | 5,000                      |
| Non-Qualified Stock Option (right to buy)  | \$ 47.23   |                                      |  |                                |   | 11/09/2001   | 11/09/2011  | Common Stock | 10,000                     |
| Non-Qualified Stock Option (right to buy)  | \$ 47.86   |                                      |  |                                |   | 05/02/2006   | 05/02/2013  | Common Stock | 1,250                      |
| Non-Qualified Stock Option (right to buy)  | \$ 49.99   |                                      |  |                                |   | 11/04/2005   | 11/04/2012  | Common Stock | 3,750                      |
| Non-Qualified Stock Option (right to buy)  | \$ 50.39   |                                      |  |                                |   | 02/14/2007   | 02/14/2014  | Common Stock | 2,500                      |
| Non-Qualified Stock Option (right to buy)  | \$ 51.35   |                                      |  |                                |   | 08/02/2005   | 08/02/2012 <sup>(3)</sup>                                     | Common Stock | 2,500                      |
| Non-Qualified Stock Option (right to buy)  | \$ 51.98   |                                      |  |                                |   | 01/31/2006   | 01/31/2013  | Common Stock | 1,250                      |
| Non-Qualified Stock Option                 | \$ 52.75   |                                      |  |                                |   | 08/15/2000   | 08/15/2010  | Common Stock | 20,000                     |

(right to buy)

Non-Qualified  
 Stock Option \$ 59.44  
 (right to buy)

11/05/2003 11/05/2013

Common Stock 10,000

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |         |       |
|---|---------------|-----------|---------|-------|
|   | Director      | 10% Owner | Officer | Other |
| BINGHAM H RAYMOND<br>C/O KLA-TENCOR CORPORATION<br>160 RIO ROBLES<br>SAN JOSE, CA 95130 | X             |           |         |       |

## Signatures

By: John Kispert For: Raymond H. Bingham

03/30/2007

\_\_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) Each restricted stock unit represents a contingent right to receive one share of KLAC common stock.
- (2) The restricted stock units will fully vest one year from date of grant and will not be deliverable until three years from the date of grant.
- (3) Option expiration date was reported incorrectly on the original Form 4.

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.