

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

**FORM 8-K**

**CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of The Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): August 14, 2017

**KLA-TENCOR CORPORATION**

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation)

000-09992

(Commission File Number)

04-2564110

(I.R.S. Employer Identification No.)

One Technology Drive, Milpitas, California

(Address of principal executive offices)

95035

(Zip Code)

Registrant's telephone number, including area code: (408) 875-3000

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Item 5.02**            **Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.**

On August 14, 2017, KLA-Tencor Corporation (the “Company”) implemented certain organizational changes that affected the duties and responsibilities of one of its named executive officers, Bobby Bell, who has assumed the newly created role of Chief Strategy Officer. In this new role, Mr. Bell will continue to report to the Chief Executive Officer, Richard Wallace, and will be responsible for ensuring that the Company has a comprehensive strategic planning process that addresses both its current markets as well as initiatives in new markets. Prior to assuming the new role, Mr. Bell was the Executive Vice President for the Company’s Semiconductor Business Organization.

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**KLA-TENCOR CORPORATION**

Date: August 15, 2017

By: /s/ Teri A. Little

Name: Teri A. Little

Title: Senior Vice President and Chief Legal Officer