AGILENT TECHNOLOGIES INC Form 8-K March 23, 2007

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): March 22, 2007

AGILENT TECHNOLOGIES, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation)

001-15405

(Commission File Number)

77-0518772

(IRS Employer Identification No.)

95051

(Zip Code)

5301 Stevens Creek Boulevard, Santa Clara, CA(Address of principal executive offices)

Registrant s telephone number, including area code (408) 553-2424

(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:

o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

o 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

Patrick J. Byrne resigned from his position as Senior Vice President, Electronic Measurements Group of Agilent Technologies, Inc. (the Company or Agilent) effective March 22, 2007. Mr. Byrne is leaving the company for personal reasons.

ITEM 9.01 FINANCIAL STATEMENTS AND EXHIBITS

(d) Exhibits.

The following are filed as exhibits to this report:

Exhibit No. Description

99.1 Press release announcing management change in electronic measurements group dated March 22, 2007.

SIGNATURE

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

AGILENT TECHNOLOGIES, INC.

By: /s/ MARIE OH HUBER

Name: Marie Oh Huber

Title: Vice President, Assistant General Counsel and

Assistant Secretary

Date: March 23, 2007

EXHIBIT INDEX

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