

**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): June 3, 2013

Integrity Applications, Inc.

(Exact name of registrant as specified in its charter)

<u>Delaware</u> (State or other jurisdiction of incorporation)	<u>0-54785</u> (Commission File Number)	<u>98-0668934</u> (IRS Employer Identification No.)
<u>102 Ha'Avoda Street, P.O. Box 432, Ashkelon, Israel</u> (Address of principal executive offices)		<u>L3 78100</u> (Zip Code)

Registrant's telephone number, including area code: 972 (8) 675-7878

N/A

(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 (see General Instruction A.2. below):

- 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 8.01 Other Events.

On June 4, 2013, Integrity Applications, Inc. (the “Company”) issued a press release announcing that it had received CE Mark approval for its GlucoTrack® DF-F model non-invasive glucose monitoring device.

A copy of the press release is filed as Exhibit 99.1 to this Current Report on Form 8-K and incorporated in this Item 8.01 by reference.

Item 9.01 Exhibits.

(d) Exhibits

<u>Exhibit No.</u>	<u>Description</u>
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99.1	Press Release, dated June 4, 2013
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Signatures

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.

Date: June 4, 2013

INTEGRITY APPLICATIONS, INC.

By: /s/ Avner Gal

Name: Avner Gal

Title: Chief Executive Officer

EXHIBIT INDEX

Exhibit No. Description

99.1 Press Release, dated June 4, 2013