

**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): October 23, 2017

Integrity Applications, Inc.

(Exact name of registrant as specified in its charter)

Delaware	0-54785	98-0668934
(State or Other Jurisdiction of Incorporation)	(Commission File Number)	(IRS Employer Identification No.)
19 Ha'Yahalomim St., P.O. Box 12163, Ashdod, Israel		L3 7760049
(Address of principal executive offices)		(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))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR § 230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR § 240.12b-2).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Section 7 – Regulation FD

Item 7.01. Regulation FD Disclosure

On October 23, 2017, the Chief Executive Officer (the “CEO”) of Integrity Applications, Inc. (the “Company”) sent a letter to its shareholders to provide a six-month review and updates of the Company’s business. On the same day, the Company published a press release regarding its strategic corporate update for the near term.

Copies of the letter from the CEO and the press release are attached hereto as Exhibits 99.1 and 99.2, respectively. The information contained in this item and the exhibits attached herewith shall be deemed furnished and not filed.

Section 9 – Financial Statements and Exhibits

Item 9.01. Financial Statements and Exhibits

<i>Exhibit No.</i>	<i>Description</i>
99.1	Letter from the CEO to Shareholders of Integrity Applications, Inc., dated October 23, 2017
99.2	Press Release, dated October 23, 2017

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: October 23, 2017

INTEGRITY APPLICATIONS, INC.

By: /s/ John Graham

Name: John Graham

Title: Chief Executive Officer