

Item 8.01. Other Events.

On January 17, 2008, Wireless Telecom Group, Inc., a New Jersey corporation (the Company), issued a press release announcing that its Board of Directors has authorized the repurchase of up to 5% of the Company's shares of common stock, to be made from time to time in the open market at management's discretion (the Press Release). A copy of the Press Release is attached hereto as Exhibit 99.1 to this Current Report and is incorporated herein by reference.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

| <u>Exhibit No.</u> | <u>Description</u> |
|---------------------------|--|
| 99.1 | Press Release of Wireless Telecom Group, Inc., dated January 17, 2008. |

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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 thereunto duly authorized.

WIRELESS TELECOM GROUP, INC.

Date: January 18, 2008

By: /S/Paul Genova
Paul Genova
President, Chief Financial Officer

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INDEX TO EXHIBITS

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