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 AND EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported): August 1, 2008

WESCO International, Inc.

(Exact name of registrant as specified in its charter)

Commission file number 001-14989

Delaware

(State or other jurisdiction of incorporation or organization)

25-1723345 (IRS Employer Identification No.)

225 West Station Square Drive Suite 700 Pittsburgh, Pennsylvania 15219

(Address of principal executive offices)

(412) 454-2200 (Registrant's telephone number, including area code)

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:

- 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 1.02. Termination of a Material Definitive Agreement.

The disclosure set forth below under Item 5.02 is hereby incorporated by reference into this Item 1.02.

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

Steven J. Riordan, Vice President, Operations of WESCO International, Inc. (the "Company"), announced that he will retire from his position with the Company effective September 1, 2008. Mr. Riordan's employment agreement with the Company will be terminated in connection with his retirement. David Bemoras, currently serving as Vice President, Sales and Marketing of Communications Supply Corporation, a wholly owned subsidiary of the Company, will assume the role of Vice President, Operations of the Company on August 1, 2008 and transition into Mr. Riordan's duties.

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.

WESCO INTERNATIONAL, INC.

By: /s/ Stephen A. Van Oss

Stephen A. Van Oss Senior Vice President and Chief Financial

and Administrative Officer

Dated: August 5, 2008