

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM S-3/A

**POST-EFFECTIVE AMENDMENT NO. 2
TO
REGISTRATION STATEMENT
UNDER THE SECURITIES ACT OF 1933**

WESCO INTERNATIONAL, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

25-1723342

(I.R.S. Employer Identification No.)

WESCO DISTRIBUTION, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

25-1723345

(I.R.S. Employer Identification No.)

**225 West Station Square Drive
Suite 700
Pittsburgh, Pennsylvania 15219
(412) 454-2200**

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

**Stephen A. Van Oss
Senior Vice President and
Chief Financial and Administrative Officer
WESCO International, Inc.
225 West Station Square Drive
Suite 700
Pittsburgh, Pennsylvania 15219
(412) 454-2200**

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copy to:

**Michael C. McLean
Kirkpatrick & Lockhart Preston Gates Ellis LLP
Henry W. Oliver Building
535 Smithfield Street
Pittsburgh, Pennsylvania 15222
(412) 355-6500**

Approximate date of commencement of proposed sale to the public: From time to time after the effective date of this Registration Statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act of 1933, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act of 1933, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 412(b) under the Securities Act, check the following box.

_____*_____
James L. Singleton Director

_____*_____
Robert J. Tarr, Jr. Director

Lynn M. Utter Director

William J. Vareschi Director

_____*_____
Kenneth L. Way Director

* By _____
/s/ STEPHEN A. VAN OSS Attorney-in-Fact
Stephen A. Van Oss

March 30, 2007