

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| OMB APPROVAL                                 |           |
|--|-----------|
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|   |   |   |
|---|---|---|
| 1. Name and Address of Reporting Person*<br><u>DUGANIER ALLAN A</u><br><br>(Last) (First) (Middle)<br>225 WEST STATION SQUARE DRIVE<br>SUITE 700<br><br>(Street)<br>PITTSBURGH PA 15219<br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>WESCO INTERNATIONAL INC [ WCC ]</u> | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br>Director 10% Owner<br>X Officer (give title below) Other (specify below)<br><u>Director of Internal Audit</u> |
|   | 3. Date of Earliest Transaction (Month/Day/Year)<br>03/04/2014                        |   |
|   | 4. If Amendment, Date of Original Filed (Month/Day/Year)                              |   |

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3)        | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |                          | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--------------------------------------|--|--------------------------------|---|---|------------|--------------------------|---|--|---|
|  |                                      |  | Code                           | V | Amount  | (A) or (D) | Price                    |   |  |   |
| WESCO International, Inc. Common Stock | 03/04/2014                           |  | M                              |   | 2,082   | A          | \$60.05                  | 3,739   | D  |   |
| WESCO International, Inc. Common Stock | 03/04/2014                           |  | M                              |   | 1,311   | A          | \$64.33                  | 5,050   | D  |   |
| WESCO International, Inc. Common Stock | 03/04/2014                           |  | M                              |   | 532   | A          | \$72.15                  | 5,582   | D  |   |
| WESCO International, Inc. Common Stock | 03/04/2014                           |  | D                              |   | 2,891   | D          | \$85.73                  | 2,691   | D  |   |
| WESCO International, Inc. Common Stock | 03/04/2014                           |  | F                              |   | 336   | D          | \$85.73                  | 2,355   | D  |   |
| WESCO International, Inc. Common Stock | 03/05/2014                           |  | S                              |   | 1,355   | D          | \$85.5007 <sup>(1)</sup> | 1,000   | D  |   |

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |       | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |       |
|--|--|--------------------------------------|--|--------------------------------|---|--|-------|--|-----------------|---|--|--|---|--|-------|
|  |  |                                      |  | Code                           | V | (A)  | (D)   | Date Exercisable   | Expiration Date |   |  |  |   |  | Title |
| Stock Appreciation Right                   | \$60.05  | 03/04/2014                           |  | M                              |   |  | 2,082 | (2)  | 02/16/2021      | Common Stock  | 2,082                                      | \$0.00   | 0   | D  |       |
| Stock Appreciation Right                   | \$64.33  | 03/04/2014                           |  | M                              |   |  | 1,311 | (3)  | 02/16/2022      | Common Stock  | 1,311                                      | \$0.00   | 655   | D  |       |
| Stock Appreciation Right                   | \$72.15  | 03/04/2014                           |  | M                              |   |  | 532   | (4)  | 02/21/2023      | Common Stock  | 532  | \$0.00   | 1,064   | D  |       |

**Explanation of Responses:**

- This represents the weighted average price paid for the shares. The shares were sold at prices ranging from \$85.00 to \$85.504. Mr. Duganier will provide, upon request of the SEC staff, WESCO International, Inc., or a shareholder of WESCO International, Inc., complete information regarding the number of shares purchased at each price within the range.
- The Stock Appreciation Right became exercisable in three (3) equal, annual installments beginning on February 16, 2012.
- The Stock Appreciation Right becomes exercisable in three (3) equal, annual installments beginning on February 16, 2013.
- The Stock Appreciation Right becomes exercisable in three (3) equal, annual installments beginning on February 21, 2014.

**Remarks:**

/s/ Samantha L. O'Donoghue, 03/06/2014  
as Attorney-In-Fact

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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