

VAN OSS STEPHEN A  
 Form 4  
 December 20, 2010

**FORM 4**

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

OMB APPROVAL

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

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 VAN OSS STEPHEN A

2. Issuer Name and Ticker or Trading Symbol  
 WESCO INTERNATIONAL INC [WCC]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 Senior Vice President & COO

(Last) (First) (Middle)  
 225 WEST STATION SQUARE  
 DRIVE, SUITE 700  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 12/17/2010

PITTSBURGH, PA 15219

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

**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 (D) Price			
WESCO International, Inc. Common Stock	12/17/2010		M	8,000 A \$ 4.5	91,575	D	
WESCO International, Inc. Common Stock	12/17/2010		S	8,000 D \$ 51.5736 (1)	83,575	D	

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

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(9-02)

**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 (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
Option for WESCO International Common Stock (Right to Buy)	\$ 4.5	12/17/2010		M	8,000	12/21/2001 12/21/2011	Common Stock 8,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
VAN OSS STEPHEN A 225 WEST STATION SQUARE DRIVE SUITE 700 PITTSBURGH, PA 15219	X		Senior Vice President & COO	

## Signatures

/s/ Alessandra S. Michelini, as Attorney-in-Fact  
Date: 12/20/2010

Signature of Reporting Person

Date

## Explanation of Responses:

\* 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).

This represents the weighted average price paid for the shares. The shares were purchased at prices ranging from \$51.6208 to \$51.5000.

(1) Mr. Van Oss 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.

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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