VAN OSS STEPHEN A
Form 4
December 21, 2009

FORM 4

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

OMB APPROVAL

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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

(Last) (First) (Middle)

225 WEST STATION SQUARE DRIVE, SUITE 700

(Street)

PITTSBURGH, PA 15219

(City) (State) (Zip)

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

3. Date of Earliest Transaction (Month/Day/Year)
12/18/2009

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

__X__ Director _____ 10% Owner
__X__ Officer (give title below) _____ Other (specify below)
SENIOR VICE PRESIDENT & COO

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

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	12/18/2009		M	V	22,500	A	$ 9.875	106,075	D	
WESCO International, Inc. Common Stock	12/18/2009		S	V	5,000	D	$ 27.6	101,075	D	
WESCO International, Inc. Common	12/18/2009		S	V	17,500	D	$ 27.5	83,575	D	

Stock

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

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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 Amou Underlying Securi (Instr. 3 and 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Option to Purchase WESCO International, Inc. Common Stock	$ 9.875	12/18/2009		M	V		22,500	05/11/2000	05/11/2010	Common Stock	22,

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/ Marcy Smorey-Giger, as Attorney-in-Fact	12/21/2009
**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).

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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