Singleton James Louis Form 4 December 20, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

Number:

3235-0287

Expires:

January 31, 2005

0.5

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if no longer subject to Section 16. Form 4 or

Form 5 obligations may continue. See Instruction

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

1(b).

(Last)

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person *

Singleton James Louis

2. Issuer Name and Ticker or Trading

Symbol WESCO INTERNATIONAL INC

[WCC]

3. Date of Earliest Transaction (Month/Day/Year) 12/20/2012

X_ Director Officer (give title

below)

Issuer

10% Owner Other (specify

225 WEST STATION SQUARE DRIVE, SUITE 700

(First)

(Street)

(Middle)

(Zip)

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

6. Individual or Joint/Group Filing(Check

5. Relationship of Reporting Person(s) to

(Check all applicable)

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

PITTSBURGH, PA 15219

(City) (State) 1. Title of 2. Transaction Date 2A. Deemed

3. (Month/Day/Year) Execution Date, if Code (Month/Day/Year)

4. Securities TransactionAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

(A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474 (9-02)

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

1. Title of Derivative Conversion

3. Transaction Date 3A. Deemed

5. Number of (Month/Day/Year) Execution Date, if TransactionDerivative

6. Date Exercisable and **Expiration Date**

7. Title and Amount of **Underlying Securities**

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		(D)	(Month/Day/Year)		(Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Deferred Share Units (1)	(2)	12/20/2012	12/20/2012	A	837.8328		(2)	(2)	Common Stock	837.8328

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Singleton James Louis
225 WEST STATION SQUARE DRIVE SUITE 700
PITTSBURGH, PA 15219

Signatures

/s/ Samantha L. O'Donoghue, Attorney-In-Fact

12/20/2012

Date

**Signature of Reporting Person

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).
- (1) Deferred Share Units are credited to an account in the reporting person's name maintained by WESCO.
- (2) Each Deferred Share Unit is the economic equivalent of one share of WESCO International common stock. The Deferred Share Unit Account balance becomes eligible for distribution, only in the form of WESCO common stock, upon termination of service as a Director.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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