

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	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>DUGANIER ALLAN A</u> (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 <u>WESCO INTERNATIONAL INC [WCC]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Director of Internal Audit</u>
	3. Date of Earliest Transaction (Month/Day/Year) 11/24/2010	
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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	11/24/2010		M		2,667	A	\$24.02	10,267	D	
WESCO International, Inc. Common Stock	11/24/2010		D		1,319	D	\$48.57	8,948	D	
WESCO International, Inc. Common Stock	11/24/2010		F		548	D	\$48.57	8,400	D	
WESCO International, Inc. Common Stock	11/24/2010		M		4,000	A	\$31.65	12,400	D	
WESCO International, Inc. Common Stock	11/24/2010		D		2,607	D	\$48.57	9,793	D	
WESCO International, Inc. Common Stock	11/24/2010		F		566	D	\$48.57	9,227	D	
WESCO International, Inc. Common Stock	11/24/2010		M		4,667	A	\$40.04	13,894	D	
WESCO International, Inc. Common Stock	11/24/2010		D		3,848	D	\$48.57	10,046	D	
WESCO International, Inc. Common Stock	11/24/2010		F		333	D	\$48.57	9,713	D	
WESCO International, Inc. Common Stock	11/24/2010		M		2,752	A	\$25.37	12,465	D	
WESCO International, Inc. Common Stock	11/24/2010		D		1,438	D	\$48.57	11,027	D	
WESCO International, Inc. Common Stock	11/24/2010		F		534	D	\$48.57	10,493	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	\$24.02	11/24/2010		M		2,667		09/29/2004	09/29/2014	Common Stock	2,667	\$0.00	0	D	
Stock Appreciation Right	\$31.65	11/24/2010		M		4,000		07/01/2005	07/01/2015	Common Stock	4,000	\$0.00	0	D	
Stock Appreciation Right	\$40.04	11/24/2010		M		4,667		07/01/2008	07/01/2018	Common Stock	4,667	\$0.00	2,333	D	
Stock Appreciation Right	\$25.37	11/24/2010		M		2,752		07/01/2009	07/01/2019	Common Stock	2,752	\$0.00	5,523	D	

Explanation of Responses:

Remarks:

/s/ Alessandra S. Micheleni, as Attorney-In-Fact 11/26/2010

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.

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 Number.