

**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
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person* <u>THIMJON DONALD H</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>VICE PRESIDENT, OPERATIONS</u>
	3. Date of Earliest Transaction (Month/Day/Year) 05/31/2007	
	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 Common Stock	05/31/2007		M		35,000	A	\$4.5	43,500	D	
WESCO International Common Stock	05/31/2007		M		12,667	A	\$5.9	56,167	D	
WESCO International Common Stock	05/31/2007		s		300	D	\$64.43	55,857	D	
WESCO International Common Stock	05/31/2007		s		900	D	\$64.44	54,967	D	
WESCO International Common Stock	05/31/2007		s		400	D	\$64.45	54,567	D	
WESCO International Common Stock	05/31/2007		s		300	D	\$64.46	54,267	D	
WESCO International Common Stock	05/31/2007		s		600	D	\$64.47	53,667	D	
WESCO International Common Stock	05/31/2007		s		800	D	\$64.48	52,867	D	
WESCO International Common Stock	05/31/2007		s		600	D	\$64.49	52,267	D	
WESCO International Common Stock	05/31/2007		s		5,300	D	\$64.5	46,967	D	
WESCO International Common Stock	05/31/2007		s		500	D	\$64.51	46,467	D	
WESCO International Common Stock	05/31/2007		s		1,100	D	\$64.52	45,367	D	
WESCO International Common Stock	05/31/2007		s		2,200	D	\$64.53	43,167	D	
WESCO International Common Stock	05/31/2007		s		1,200	D	\$64.55	41,967	D	
WESCO International Common Stock	05/31/2007		s		1,800	D	\$64.56	40,167	D	
WESCO International Common Stock	05/31/2007		s		900	D	\$64.57	39,267	D	
WESCO International Common Stock	05/31/2007		s		800	D	\$64.58	38,467	D	
WESCO International Common Stock	05/31/2007		s		800	D	\$64.59	37,667	D	
WESCO International Common Stock	05/31/2007		s		8,900	D	\$64.6	28,767	D	
WESCO International Common Stock	05/31/2007		s		1,000	D	\$64.61	27,767	D	
WESCO International Common Stock	05/31/2007		s		300	D	\$64.62	27,467	D	
WESCO International Common Stock	05/31/2007		s		400	D	\$64.63	27,067	D	
WESCO International Common Stock	05/31/2007		s		200	D	\$64.64	26,867	D	
WESCO International Common Stock	05/31/2007		s		3,200	D	\$64.65	23,667	D	
WESCO International Common Stock	05/31/2007		s		900	D	\$64.66	22,767	D	
WESCO International Common Stock	05/31/2007		s		1,600	D	\$64.67	21,167	D	
WESCO International Common Stock	05/31/2007		s		1,000	D	\$64.68	20,167	D	
WESCO International Common Stock	05/31/2007		s		2,400	D	\$64.69	17,767	D	
WESCO International Common Stock	05/31/2007		s		100	D	\$64.7	17,667	D	
WESCO International Common Stock	05/31/2007		s		2,800	D	\$64.72	14,867	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	Amount or Number of Shares				
WESCO International Common Stock	\$4.5	05/31/2007		M			35,000	12/21/2006	12/21/2011	Common Stock	35,000	\$0.00	0	D	
WESCO International Common Stock	\$5.9	05/31/2007		M			12,667	08/22/2006	08/22/2013	Common Stock	12,667	\$0.00	0	D	

Explanation of Responses:

Remarks:

/s/Donald H. Thimjon

06/01/2007

\*\* 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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