FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

ı	OIVID APPROVAL									
	OMB Number:	3235-0287								
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l	hours per response:	0.5								

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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).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name ar MCCO		2. Issuer Name and Ticker or Trading Symbol ESCO TECHNOLOGIES INC [ESE]										elationship o ck all applic Director	able)	g Pers	on(s) to Issu 10% Ow						
	(F CO TECHN		3. Date of Earliest Transaction (Month/Day/Year) 01/01/2010										Officer (below)	(give title	Other (spe below)		pecify				
9900 A CLAYTON ROAD						4. If Amendment, Date of Original Filed (Month/Day/Year)										6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street) ST LOUIS MO 63124																X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City) (State) (Zip)																					
		Ta	ble I - Noı	n-Deriv	vativ	ve Se	curi	ities A	cqu	iired, C	Disp	osed of	, or E	Bene	ficially	Owned					
Date				Date	Transaction ate Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year		· /	Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)				5. Amoun Securities Beneficia Owned Fo	s lly ollowing	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
										Code	v	Amount	(A (D	() or ()	Price	Reported Transacti (Instr. 3 a	on(s)			Instr. 4)	
Common Stock 01/01/						/2010			A		800		A	\$ <mark>0</mark>	16,820			D			
Common	Stock			01/0)1/20	10				М		2,060		A	(1)	18,	380	D			
			Table II -									sed of, o				Owned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution D if any (Month/Day/	Date, T	4. Transaction Code (Instr. 8)		of E		Expi	Date Exercisable and piration Date onth/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securitie Beneficia Owned Following Reported Transact (Instr. 4)	e Owners s Form Direct or Inc. (I) (Inc.)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exer	cisable	Ex Da	piration te	Title		Amount or Number of Shares						
Phantom Stock	(1)	01/01/2010			M			2,060	08/08	8/1988 ⁽²⁾	08	/08/1988 ⁽²⁾	Comi		2,060	\$0	2,06	0	D		

Explanation of Responses:

- 1. 1 for 1
- 2. The Phantom Stock Units were acquired under Issuer's Compensation Plan for Non-Employee Directors, and are to be settled in annual installments for five years beginning January 2007.

Remarks:

T. B. Martin, Attorney In-Fact 01/05/2010

** 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.

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.