

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>Chicles Aris C</u> (Last) (First) (Middle) 1133 WESTCHESTER AVENUE (Street) WHITE PLAINS NY 10604 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>ITT Corp [ITT]</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>EVP, Strategy</u>
	3. Date of Earliest Transaction (Month/Day/Year) 11/07/2011	
		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			
Common Stock	11/07/2011		A		31,065 ⁽¹⁾	A	\$0.00	58,340 ⁽²⁾	D	
Common Stock	11/07/2011		A		9,416 ⁽³⁾	A	\$0.00	67,756	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						Amount or Number of Shares
Employee Stock Option (Right to Buy)	\$20.28	11/07/2011		A		90,778		(4)	11/07/2021	Common Stock	90,778	\$0.00	90,778	D	

Explanation of Responses:

- Reflects an award of restricted stock units ("RSUs"), which are scheduled to vest on November 7, 2014.
- Includes securities received as part of award adjustments in connection with the spin-offs of Xylem Inc. and Exelis Inc. from ITT Corporation.
- Reflects the conversion of the unvested portions of cash-settled total shareholder return ("TSR") awards into RSUs in connection with the spin-offs of Exelis Inc. and Xylem Inc. from ITT Corporation. 2,589 RSUs were awarded in respect of 2010 TSR awards and will vest on December 31, 2012. 6,827 RSUs were awarded in respect of 2011 TSR awards and will vest on December 31, 2013.
- These options vest in three equal annual installments beginning on November 7, 2012.

Remarks:

Share numbers listed reflect the one-for-two reverse stock split that was effective after market close on October 31, 2011.

/s/ Burt M. Fealing, Secretary
of ITT Corporation, by power 11/09/2011
of attorney for Aris C. Chicles

** 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.