

APPLIED INDUSTRIAL TECHNOLOGIES INC
 Form 4
 August 15, 2007

FORM 4

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

OMB APPROVAL

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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).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
EISELE MARK O

2. Issuer Name and Ticker or Trading Symbol
APPLIED INDUSTRIAL TECHNOLOGIES INC [AIT]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
ONE APPLIED PLAZA
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
08/14/2007

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Vice President-CFO & Treasurer

CLEVELAND, OH 441155056
 (City) (State) (Zip)

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ____ 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 (D) Price			
Common Stock	08/14/2007		M	5,120 A \$ 9.465	76,594	D	
Common Stock	08/14/2007		M	19,237 A \$ 12.907	95,831	D	
Common Stock	08/14/2007		F	15,134 D \$ 28.13	80,697	D	
Common Stock					6,136.88	I	Deferred Compensation Plan
Common Stock					11,104.56	I	Retirement Savings Plan

Common Stock	286.92	I	Supplemental Defined Contribution Plan
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

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 Underlying Security (Instr. 3 and 4)
Employee Stock Option (Right to Buy)	\$ 9.465	08/14/2007		M	5,120	08/08/2004 ⁽¹⁾ 08/08/2013	Common Stock
Stock Appreciation Rights	\$ 12.907	08/14/2007		M	19,237	08/06/2005 ⁽²⁾ 08/06/2014	Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
EISELE MARK O ONE APPLIED PLAZA CLEVELAND, OH 441155056			Vice President-CFO & Treasurer	

Signatures

By: Dianne Misenko/POA for Mark O. Eisele 08/15/2007

____Signature of Reporting Person

____Date

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) These options become exercisable in annual increments of 25% commencing one year after the date of grant.
- (2) Stock-only stock appreciation rights which become exercisable in annual increments of 25% commencing one year after the date of grant.

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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