

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  
 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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
|                                 |                                      |  |                                | (A) or (D)  | Price   |  |   |
| Common Stock                    | 08/14/2007                           |  | M                              | A   | \$ 9.465  | 76,594   | D   |
| Common Stock                    | 08/14/2007                           |  | M                              | A   | \$ 12.907   | 95,831   | D   |
| Common Stock                    | 08/14/2007                           |  | F                              | D   | \$ 28.13  | 80,697   | D   |
| Common Stock                    |                                      |  |                                |   |   | 6,136.88   | I<br>Deferred Compensation Plan                       |
| Common Stock                    |                                      |  |                                |   |   | 11,104.56  | I<br>Retirement Savings Plan                          |

|              |        |   |  |
|--------------|--------|---|--|
| Common Stock | 286.92 | I | Supplemental Defined Contribution Plan |
|--------------|--------|---|--|

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) |                           |                 |              |                     |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|---------------------------|-----------------|--------------|---------------------|
|  |  |                                      |  | Code                           | V   | (A)  | (D)   | Date Exercisable          | Expiration Date | Title        | Amount or Number of |
| Employee Stock Option (Right to Buy)       | \$ 9.465   | 08/14/2007                           |  | M                              |   | 5,120  |   | 08/08/2004 <sup>(1)</sup> | 08/08/2013      | Common Stock | 5                   |
| Stock Appreciation Rights                  | \$ 12.907  | 08/14/2007                           |  | M                              |   | 19,237   |   | 08/06/2005 <sup>(2)</sup> | 08/06/2014      | Common Stock | 19                  |

## Reporting Owners

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