

BOEING CO
Form 4
July 31, 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 *
Downey Thomas J

(Last) (First) (Middle)

100 N. RIVERSIDE PLAZA, M/C
5003-1001

(Street)

CHICAGO, IL 60606

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
BOEING CO [BA]

3. Date of Earliest Transaction
(Month/Day/Year)
07/27/2007

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
X Officer (give title below) ___ Other (specify below)

SVP-Communications

6. Individual or Joint/Group Filing(Check Applicable Line)
X 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 | (A) or (D) | Price | |
| Common | 07/27/2007 | | M | | 1,364.03 | A | \$ 0 | |
| Common | 07/27/2007 | | M | | 402.03 | D | \$ 0 | |
| Common | 07/31/2007 | | S | | 1,291 | D | \$ 105.2 | |
| Common | | | | | | | 6,897.49 | |
| Common | | | | | | | 5.34 | |
| Common | | | | | | | 3,199.14 | |
| | | | | | | | I | By 401(k) |
| | | | | | | | I | By PAYSOP |
| | | | | | | | I | Career Shares |

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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) | | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--------|----------|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount |
| 2005 Performance Shares | (1) | 07/27/2007 | | M | 1,364.03 | (2) | 02/28/2010 | Common | 1,364.03 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|--------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Downey Thomas J 100 N. RIVERSIDE PLAZA M/C 5003-1001 CHICAGO, IL 60606 | | | SVP-Communications | |

Signatures

By: /s/ Mark R. Pacioni as Attorney-in-Fact
Date: 07/31/2007

**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) Performance shares convert into common stock on a 1-for-1 basis on vesting.

(2) 2005 Performance Shares vest in the following installments when the average daily closing price of Boeing stock reaches, for a specified period, the following dollar levels: 15% at \$74.49, 30% at \$79.82, 45% at \$85.14, 60% at \$90.46, 75% at \$95.78, 90% at \$101.10, 100% at \$106.42, 110% at \$111.74, 120% at \$117.06, and 125% at \$119.72.

(3) Includes adjustments for dividends accrued.

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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