BOEING CO Form 4 May 27, 2005

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

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Check this box if no longer subject to Section 16. Form 4 or

January 31, Expires: 2005

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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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

Common

Form 5

obligations

(Print or Type Responses)

			2. Issuer Name and Ticker or Trading Symbol BOEING CO [BA]					5. Relationship of Reporting Person(s) to Issuer			
(Last)	Middle) 3	3. Date of Earliest Transaction					(Check all applicable)				
(Last) (First) (Middle) 100 N. RIVERSIDE PLAZA, M/C 5003-1001			(Month/Day/Year) 05/25/2005					Director 10% OwnerX Officer (give title Other (specify below) Exec VP, Pres & CEO BCA			
	I. If Amendment, Date Original Filed(Month/Day/Year)					6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person					
CHICAGO							Form filed by More than One Reporting Person quired, Disposed of, or Beneficially Owned				
(City)	(State)	Table I - Non-Derivative Securities Acq									
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Transaction Date 2A. Deemed Month/Day/Year) Execution Date, if any (Month/Day/Year)		Code (Instr. 3, 4 and 5)				5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	Ownership Indirect Form: Beneficial Direct (D) Ownership or Indirect (I) (s) (Instr. 4)		
Common	05/25/2005		M		4,909.4	À	\$ 0	81,944.98	D		
Common	05/25/2005		F		1,370.4	D	\$ 61.45	80,574.58	D		
Common								100	I	By Custodian	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

For Child

Career

Shares

26,339.72 (1) I

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SEC 1474 (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. Transactic Code (Instr. 8)	5. Number of onDerivative 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 Underlying Securitie (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amour or Numbo of Sha
2003 Performance Shares	<u>(2)</u>	05/25/2005		D	4,909.4	(3)	02/23/2008	Common	4,909
2003 Performance Shares	(2)	05/25/2005		M	4,909.4	(3)	02/23/2008	Common	4,909

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

MULALLY ALAN R 100 N. RIVERSIDE PLAZA M/C 5003-1001 CHICAGO, IL 60606

Exec VP, Pres & CEO BCA

Signatures

By: /s/ Mark R. Pacioni as Attorney-in-Fact 05/27/2005

**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) Includes adjustments for dividends accrued
- (2) Performance shares convert on 1 for 1 basis on vesting
- (3) 2003 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 \$42.38, 30% at \$45.41, 45% at \$48.43, 60% at \$51.46, 75% at \$54.49, 90% at \$57.51, 100% at

Reporting Owners 2

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\$60.54, 110% at \$63.57, 120% at \$66.59, and 125% at \$68.11.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.