BOEING CO Form 4 May 04, 2006

FORM 4

Check this box

if no longer

Section 16.

Form 4 or

obligations

Form 5

subject to

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

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

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

SECURITIES

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * MULALLY ALAN R

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

BOEING CO [BA]

(Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year)

Director 10% Owner Other (specify _X__ Officer (give title

(Check all applicable)

100 N. RIVERSIDE PLAZA, M/C

05/02/2006

below)

5003-1001

(Street)

Exec VP, Pres & CEO BCA

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

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

CHICAGO, IL 60606

(City)	(State)	(Zip) Tal	ble I - Non	-Derivative Se	curiti	es Acquir	ed, Disposed of,	or Beneficial	ly 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)	Transactionor Disposed of (D) Code (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(I) (Instr. 4)	
Common	05/02/2006		M	13,214.31	A	\$0	114,363.43	D	
Common	05/02/2006		M	18,418.93	A	\$0	132,782.36	D	
Common	05/02/2006		F	4,817.31	D	\$ 85.33	127,965.05	D	
Common	05/02/2006		F	6,713.93	D	\$ 85.33	121,251.12	D	
Common	05/03/2006		S	8,000	D	\$ 85.3	113,251.12	D	
Common	05/03/2006		S	2,000	D	\$ 85.37	111,251.12	D	
Common	05/03/2006		S	2,200	D	\$ 85.4	109,051.12	D	

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Common	05/03/2006	S	1,000	D	\$ 85.45	108,051.12	D	
Common	05/03/2006	S	3,100	D	\$ 85.49	104,951.12	D	
Common	05/03/2006	S	18,200	D	\$ 85.5	86,751.12	D	
Common	05/03/2006	S	1,300	D	\$ 85.52	85,451.12	D	
Common	05/03/2006	S	6,000	D	\$ 85.58	79,451.12	D	
Common	05/03/2006	S	2,100	D	\$ 85.6	77,351.12	D	
Common	05/03/2006	S	400	D	\$ 85.62	76,951.12	D	
Common	05/03/2006	S	1,000	D	\$ 85.66	75,951.12	D	
Common	05/03/2006	S	583	D	\$ 85.7	75,368.12	D	
Common	05/03/2006	S	4,000	D	\$ 85.71	71,368.12	D	
Common						100	I	By Custodian For Child
Common						26,748.76	I	Career Shares

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

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

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. Transactio Code (Instr. 8)	5. Number of ionDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amou Underlying Secur (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Am Nui Sha
2002 Performance Shares	(1)	05/02/2006		M		13,214.31	(2)	02/25/2007	Common	13
	(1)	05/02/2006		M		18,418.93	<u>(3)</u>	02/23/2009	Common	18

(e.g., puts, calls, warrants, options, convertible securities)

SEC 1474

(9-02)

2004 Performance Shares

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 05/04/2006

**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 on 1 for 1 basis on vesting
- (2) 2002 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: 25% at \$72.38, 40% at \$75.73, 55% at \$79.20, 75% at \$82.80, 100% at \$86.53 and 125% at \$90.39.

2004 Performance Shares vest in the following installments when the average daily closing price of Boeing stock reaches, for a specified (3) period, the following dollar levels: 15% at \$60.94, 30% at \$65.30, 45% at \$69.65, 60% at \$74.00, 75% at \$78.35, 90% at \$82.71, 100% at \$87.06, 110% at \$91.41, 120% at \$95.77, and 125% at \$97.94.

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.

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