

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>MILLS LINDA A</u> (Last) (First) (Middle) <u>1840 CENTURY PARK EAST</u> (Street) <u>LOS ANGELES CA 90067</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>NORTHROP GRUMMAN CORP /DE/ [NOC]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Corp. VP & Pres Info Sys</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>08/03/2010</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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 Stock	08/03/2010		M		7,000	A	\$47.11	67,650 ⁽¹⁾	D	
Common Stock	08/03/2010		S		7,000	D	\$58.85	60,650 ⁽¹⁾	D	
Common Stock								14,521.5265 ⁽²⁾	I	Trustee: Linda Anne Mills Living Trust U/A 3/27/00
Common Stock								8,400.859	I	See footnote. ⁽³⁾

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Stock Option (Right-to-Buy)	\$47.11	08/03/2010		M			7,000	08/20/2004	08/20/2013	Common Stock	7,000	\$47.11	0	D	

Explanation of Responses:

- Total amount includes 9750 unvested Restricted Performance Stock Rights (RPSRs) granted under the 2001 Long-Term Incentive Stock Plan (LTISP) on 2/27/08 with a valuation of performance measurement period ("measurement period") ending on 12/31/10; 21,900 unvested RPSRs granted under the 2001 LTISP on 2/17/09, with the measurement period ending on 12/31/11; and 29,000 unvested RPSRs granted under the 2001 LTISP on 2/16/10, with the measurement period ending on 12/31/12. Grants awarded pursuant to Rule 16b-3(d).
- Amount includes 564,5265 dividend reinvestment shares acquired through June 15, 2010 which transactions are exempt from Section 16 and not reportable under Rule 16a-11.
- Held in the Northrop Grumman Savings and Investment Plan, a qualified profit sharing plan, as of June 25, 2010. Share totals with respect to the Plan are based upon unit accounting and therefore may reflect a decrease in units attributable to an individual though no disposition occurred.

/s/ Kathleen M. Salmas,
Attorney-in-fact for Linda A. Mills 08/04/2010

** Signature of Reporting Person Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.