

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 11-K/A
(Amendment No. 1)

ANNUAL REPORT PURSUANT TO SECTION 15 (d) OF THE
SECURITIES EXCHANGE ACT OF 1934

Annual report pursuant to Section 15 (d) of the Securities
Exchange Act of 1934 (No fee required)

For the fiscal years ended December 31, 1998 and 1997

OR

Transition report pursuant to SECTION 15 (d) of the Securities Exchange Act
of 1934 (No fee required)

For the transition period from _____ to _____

Commission file number 33-59853

A. Full title of the plan and the address of the plan, if different from
that of the issuer named below:

NORTHROP GRUMMAN COMMERCIAL AIRCRAFT DIVISION
SALARIED SAVINGS AND INVESTMENT PLAN

B. Name of issuer of the securities held pursuant to the Plan and the
address of its principal executive office:

NORTHROP GRUMMAN CORPORATION
1840 Century Park East
Los Angeles, California 90067

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the
trustees (or other persons who administer the employee benefit plan) have duly
caused this annual report to be signed on its behalf by the undersigned hereunto
duly authorized.

NORTHROP GRUMMAN COMMERCIAL AIRCRAFT DIVISION
SALARIED SAVINGS AND INVESTMENT PLAN

/s/ Gary W. McKenzie

Dated: August 30, 1999

By Gary W. McKenzie
Vice President, Tax

NORTHROP GRUMMAN COMMERCIAL AIRCRAFT DIVISION SALARIED
SAVINGS AND INVESTMENT PLAN

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INDEPENDENT AUDITORS' REPORT

To the Administrative Committee of the
Northrop Grumman Commercial Aircraft Division
Salaried Savings and Investment Plan:

We have audited the accompanying statements of net assets available for plan benefits of the Northrop Grumman Commercial Aircraft Division Salaried Savings and Investment Plan (the "Plan") as of December 31, 1998 and 1997, and the related statement of changes in net assets available for plan benefits for the year ended December 31, 1998. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, such financial statements present fairly, in all material respects, the net assets available for plan benefits as of December 31, 1998 and 1997, and the changes in net assets available for plan benefits for the year ended December 31, 1998, in conformity with generally accepted accounting principles.

Our audits were conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental schedules of assets held for investment purposes at December 31, 1998 and reportable transactions for the year then ended are presented for the purpose of additional analysis and are not a required part of the basic financial statements but are supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. The supplemental information by fund in the statement of changes in net assets available for plan benefits is presented for the purpose of additional analysis rather than to present the changes in net assets available for plan benefits of the individual funds. The supplemental schedules and supplemental information by fund are the responsibility of the Plan's management. Such supplemental schedules and supplemental information by fund have been subjected to the auditing procedures applied in our audits of the basic financial statements and, in our opinion, are fairly stated in all material respects when considered in relation to the basic financial statements taken as a whole.

/s/ Deloitte & Touche LLP
June 24, 1999
Los Angeles, California

NORTHROP GRUMMAN COMMERCIAL AIRCRAFT DIVISION
SALARIED SAVINGS AND INVESTMENT PLAN

STATEMENTS OF NET ASSETS AVAILABLE FOR PLAN BENEFITS
DECEMBER 31, 1998 AND 1997

	1998	1997

	(In Thousands)	
ASSETS:		
Investments, at fair value:		
Northrop Grumman Stable Value Master Trust - (Notes C and D)	\$72,188	
Northrop Grumman Master Trust - Stable Value Fund - (Notes C and D)		\$56,187
Frank Russell Trust Company Funds:		
Equity I Fund	84,991	68,721
Global Balanced Fund	29,764	25,530
Global Equity Fund	21,069	19,346
T. Rowe Price Company -		
Growth & Income Fund	20,176	19,386
Northrop Grumman Corporation common stock	1,377	1,264
Temporary Investment Fund	75	34
Loans receivable from plan participants (Note A)	6,798	6,006
	-----	-----
Total investments	236,438	196,474
	-----	-----
Receivables:		
Employer's contributions	111	--
Participants' contributions	287	--
Net securities sales pending settlement	2,439	274
Accrued income receivable	1	1
	-----	-----
Total receivables	2,838	275
	-----	-----
Total assets	239,276	196,749
	-----	-----
LIABILITIES:		
Net securities purchases pending settlement	2,428	296
Accrued expenses payable	318	279
	-----	-----
Total liabilities	2,746	575
	-----	-----
NET ASSETS AVAILABLE FOR PLAN BENEFITS	\$236,530	\$196,174
	=====	=====

See notes to financial statements.

NORTHROP GRUMMAN COMMERCIAL AIRCRAFT DIVISION
SALARIED SAVINGS AND INVESTMENT PLAN

STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR PLAN BENEFITS
YEAR ENDED DECEMBER 31, 1998

	Supplemental Fund Information							Participant Loans	Total
	Stable Value Fund	Equity I Fund	Global Balanced Fund	Global Equity Fund (In Thousands)	Growth & Income Fund	Northrop Grumman Fund			
INVESTMENT INCOME:									
Net appreciation (depreciation) in fair value of investments	\$ 4,463	\$ 16,386	\$ 4,236	\$ 3,371	\$ (155)	\$ (623)	\$	\$ 23,215	
Interest and other income	4,463	217	82	69	2,004	11		6,846	
Dividends						1		1	
Total investment income	4,463	16,603	4,318	3,440	1,849	(611)		30,062	
CONTRIBUTIONS:									
Employer	1,447	2,310	847	817	947	266		6,634	
Employees	3,637	6,020	2,176	2,074	2,394	598		16,899	
Total contributions	5,084	8,330	3,023	2,891	3,341	864		23,533	
Total additions	9,547	24,933	7,341	6,331	5,190	253		53,595	
DEDUCTIONS:									
Benefits paid to participants	4,908	2,815	1,433	877	1,163	157		11,353	
Loan conversions							80	80	
Administrative expenses	340	788	322	263	93			1,806	
Total deductions	5,248	3,603	1,755	1,140	1,256	157	80	13,239	
TRANSFER BETWEEN FUNDS									
	12,528	(5,238)	(1,717)	(3,418)	(3,078)	51	872		
NET INCREASE	16,827	16,092	3,869	1,773	856	147	792	40,356	
NET ASSETS AVAILABLE FOR PLAN BENEFITS:									
Beginning of period	56,418	68,451	25,437	19,307	19,289	1,266	6,006	196,174	
End of period	\$ 73,245	\$ 84,543	\$ 29,306	\$ 21,080	\$ 20,145	\$ 1,413	\$ 6,798	\$ 236,530	

See notes to financial statements.

NORTHROP GRUMMAN COMMERCIAL AIRCRAFT DIVISION SALARIED SAVINGS AND INVESTMENT PLAN

NOTES TO FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 1998 AND 1997

A. DESCRIPTION OF THE PLAN

The following description of the Northrop Grumman Commercial Aircraft Division Salaried Savings and Investment Plan (the "Plan") provides only general information. Participants should refer to the Plan agreement for a more complete description of the Plan's provisions.

General- The Plan is a defined contribution profit sharing plan with a 401(k) feature.

Effective August 31, 1992, the sale of certain assets and liabilities of the Aircraft and Missiles Division of the LTV Aerospace and Defense Company was completed. The LTV Corporation sold the Aircraft Division to the Carlyle Group and Northrop Corporation, and the Vought Aircraft Company ("Vought") was established. The account balances of former Aircraft Division participants in the LTV Capital Accumulation Plan (the "Predecessor Plan") were transferred to the Vought Aircraft Salaried Capital Appreciation Plan effective August 31, 1992. Effective August 31, 1994, Northrop Grumman Corporation (the "Company") purchased all of the Carlyle Group's interest in Vought, and Vought became a wholly owned subsidiary of Northrop Grumman Corporation. Effective July 1, 1995, the Plan was amended to change the name to the Vought Aircraft Salaried Savings and Investment Plan. Effective October 1, 1997, the Plan was amended to change the name to Northrop Grumman Commercial Aircraft Division Salaried Savings and Investment Plans.

Contributions - The Plan offers participants a choice between the type of contributions they can make, and such contributions may be between 2% and 18% of eligible compensation in increments of 1%. A participant can elect tax-deferred (before-tax) contributions, after-tax contributions, or a combination of both. An active participant may change the percentage of his or her contributions. Contributions are subject to certain limitations.

The Company's matching contributions are as follows:

Employee Contribution	Company Match
First 2% of eligible compensation	100%
Next 2% of eligible compensation	50%
Next 4% of eligible compensation	25%
Contributions over 8%	0%

Participant Accounts - A separate account is maintained for each participant. Each participant's account is credited with the participant's contributions, the Company's matching contributions, and the proportionate share of the Plan's earnings and administrative expenses. Allocations are based on the participants' account balances, as defined in the Plan agreement. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Vesting - Plan participants are fully vested (100%) at all times in the balance of their accounts (both employee and employer contributions).

Investment Options - Upon enrollment in the Plan, each participant may direct that his or her employee contributions and Company matching contributions, in 1% increments, be invested in any of the following investment funds:

- Northrop Grumman Master Trust - Stable Value Fund
- Frank Russell Trust Company Fund - Equity I Fund
- Frank Russell Trust Company Funds - Global Balanced Fund
- Frank Russell Trust Company Funds - Global Equity Fund
- T. Rowe Price Company - Growth & Income Fund
- Northrop Grumman Corporation Common Stock Fund

Participants may change their investment options on a daily basis.

Participant Notes Receivable - Participants may borrow from their fund accounts a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 or 50% of their account balance. A participant may not have more than one outstanding loan at any given time. Loans will be prorated across all investment funds and are secured by the balance in the participant's account. The interest rate is fixed on the first business day of each month at the prime rate of the Plan's trustee plus 1%. Repayments are made from weekly payroll deductions (for active employees) or other method approved by the administrative committee. The maximum loan period is five years, or ten years for a loan used to acquire a dwelling that is to be the principal residence of the participant. Loans may be prepaid in full; partial prepayments are not permitted.

Payment of Benefits - Upon termination of service, a participant may elect to receive a lump-sum amount equal to the value of his or her account balance. A participant may also delay his or her lump-sum payment until the participant's normal retirement date if the account balance exceeds \$5,000.

B. SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting - The financial statements of the Plan are prepared under the accrual method of accounting.

Use of Estimates - The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Investment Valuation and Income Recognition - In the accompanying statements of net assets available for plan benefits, the Plan's investments are stated at fair value, except for the Plan's investment in the Stable Value Fund, which is valued at contract value (see Note D). Investments in the Equity I Fund, Global Balanced Fund, Global Equity Fund, and Growth & Income Fund (collectively, the "Funds") are valued at quoted market prices which represent the net asset values of shares held by the Plan at year-end. Northrop Grumman Corporation common stock is valued at its quoted market price. Loans receivable from plan participants are valued at cost, which approximates fair value.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date.

Payment of Benefits - Benefits are recorded when paid. As of December 31, 1998 and 1997, benefits payable to participants are approximately \$14,000 and \$3,000, respectively.

C. INVESTMENTS

Except for its insurance and investment contracts (see Note D), the Plan's investments as of December 31, 1998 and 1997, are stated at fair value as determined by quoted market prices.

On January 1, 1998, Northrop Grumman Corporation pooled all of the insurance and investment contracts for the Northrop Grumman Corporation Savings and Investment Plan Master Trust, the Northrop Grumman Master Trust, and the contracts held by the Northrop Grumman Electronic Sensors and Systems Division Savings and Investment Program into the Northrop Grumman Stable Value Master Trust (the "Master Trust").

Investments held at contract value in the Master Trust as of December 31, 1998 and in the Northrop Grumman Master Trust as of December 31, 1997, are as follows (in thousands):

	1998	1997
Guaranteed and Bank Investment Contracts	\$1,298,790	\$ 61,254
Northrop Retirement Savings Temporary Investment Fund	60,090	5,339
Accrued Income	113	15
	-----	-----
Total	\$1,358,993	\$ 66,608
	=====	=====

The Plan's investment in the Master Trust as of December 31, 1998, and in the Northrop Grumman Master Trust as of December 31, 1997, is as follows (in thousands):

	1998	1997
Contract Value of Guaranteed and Bank Investment		
Contracts	\$ 72,188	\$ 56,187
Net securities sales pending settlement	1,010	274
	-----	-----
Total	\$ 73,198	\$ 56,461
	=====	=====
Percentage of ownership in Stable Value Fund	5.39%	84.77%
	=====	=====

Investment income in the Northrop Grumman Master Trust - Stable Value Fund was \$91,158,197 for the year ended December 31, 1998. Investment income in the Northrop Grumman Master Trust for the year ended December 31, 1997 was \$4,537,000.

D. INVESTMENT CONTRACTS WITH INSURANCE COMPANIES

All investment and insurance contracts held by the Master Trust as of December 31, 1998 and the Northrop Grumman Master Trust as of December 31, 1997, are considered to be fully benefit-responsive and, therefore, are reported at contract value. Contract value represents contributions made under the contract, plus interest at the contract rate, less withdrawals and administrative expenses.

The following information is disclosed for the investment and insurance contracts within the Master Trust as of December 31, 1998, and the Northrop Grumman Master Trust as of December 31, 1997 (in millions):

	1998	1997
Contract value of assets	\$1,299	\$ 61.3
Fair value of assets	\$1,343	\$ 62.2
Crediting interest rate of assets		
at December 31	7.08 %	6.62 %
Average yield on assets for the 12 months		
ending December 31	7.09 %	7.39 %
Duration	2.58 years	2.05 years

E. INCOME TAX STATUS

The Internal Revenue Service ruled on December 9, 1996 that the Plan qualifies under Section 401(a) of the Internal Revenue Code ("IRC"), and therefore, the related trust is not subject to tax under the present income tax law. Once qualified, the Plan is required to operate in conformity with the IRC to maintain its qualification. Northrop Grumman Corporation is not aware of any course of action or series of events that have occurred that might adversely affect the Plan's qualified status.

F. TRANSACTIONS WITH PARTIES-IN-INTEREST

In management's opinion, fees paid for services rendered by parties-in-interest during 1998 and 1997 were based upon customary and reasonable rates for such services.

NORTHROP GRUMMAN COMMERCIAL AIRCRAFT DIVISION
SALARIED SAVINGS AND INVESTMENT PLAN

ITEM 27a - ASSETS HELD FOR INVESTMENT PURPOSES
DECEMBER 31, 1998

(a)	(b)	(c)	(d)	(e)
Identity of Issue, Borrower, Lessor or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	Cost	Current Value	
* Northrop Grumman Master Trust	57,132,164 units of participation in Stable Value Fund	\$ 66,412,112	\$ 72,187,746	
* Frank Russell Trust Company	2,385,854 units of participation in Equity I Fund	58,125,716	84,991,269	
* Frank Russell Trust Company	1,166,980 units of participation in Global Balanced Fund	20,283,557	29,763,829	
* Frank Russell Trust Company	734,851 units of participation in Global Equity Fund	14,162,137	21,068,900	
* T. Rowe Price Company	768,621 units of participation in Growth & Income Fund	18,225,735	20,176,292	
* Northrop Grumman Corporation	18,831 shares of common stock	1,702,433	1,377,017	
* Bankers Trust Company	70,104 units of participation in Northrop Retirement Savings Temporary Investment Fund	75,104	75,104	
* Loans to Participants	At prime rate plus 1% (7% - 11%) with maturity dates of up to 10 years		6,798,141	
		----- \$178,986,794 =====	----- \$236,438,298 =====	

* Party-in-Interest

NORTHROP GRUMMAN COMMERCIAL AIRCRAFT DIVISION
SALARIED SAVINGS AND INVESTMENT PLAN

ITEM 27d - SCHEDULE OF REPORTABLE TRANSACTIONS
YEAR ENDED DECEMBER 31, 1998

SERIES OF TRANSACTIONS IN EXCESS OF 5% OF THE CURRENT VALUE OF PLAN ASSETS

(a) Identity of Party Involved	(b) Description of Asset	(c) Purchase Price	(d) Selling Price	(g) Cost of Asset	(h) Current Value of Assets Transaction Date	(i) Net Gain (Loss)
Northrop Grumman	Stable Value Utilized Fund	34,839,697		34,839,697		
Northrop Grumman	Stable Value Utilized Fund		24,382,594	22,427,774	24,382,594	1,954,820
Northrop Grumman	Consolidated GIC Fund	11,283,660		11,283,660		
Northrop Grumman	Consolidated GIC Fund		10,028,853	9,252,171	10,028,853	776,682
Frank Russell	Equity Fund	13,602,861		13,602,861		
Frank Russell	Equity Fund		13,518,953	9,140,740	13,518,953	4,378,213
Frank Russell	Equity I Fund - Vought Aircraft	18,094,525		18,094,525		
Frank Russell	Equity I Fund - Vought Aircraft		18,294,138	13,966,032	18,294,138	4,328,106

INDEPENDENT AUDITORS' CONSENT

We consent to the incorporation by reference in Registration Statement No. 33-59853 of Northrop Grumman Corporation on Form S-8 of our report dated June 24, 1999, appearing in this Annual Report on Form 11-K/A of the Northrop Grumman Commercial Aircraft Division Salaried Savings and Investment Plan for the year ended December 31, 1998.

/s/ Deloitte & Touche LLP

DELOITTE & TOUCHE LLP
Los Angeles, California

August 30, 1999