

=====

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

FORM 11-K

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

FOR THE PERIOD ENDED DECEMBER 31, 2003

OR

TRANSITION REPORT PURSUANT TO SECTION 15(d)
OF THE SECURITIES EXCHANGE ACT OF 1934
For the transition period from to

COMMISSION FILE NUMBER 001-14141

AVIATION COMMUNICATIONS &
SURVEILLANCE SYSTEMS 401(K) PLAN

(FULL TITLE OF THE PLAN AND THE ADDRESS OF THE PLAN,
IF DIFFERENT FROM THAT OF THE ISSUER NAMED BELOW)

L-3 COMMUNICATIONS HOLDINGS, INC.

600 Third Ave
New York, NY 10016

(Name of issuer of the securities held pursuant to the plan and
the address of its principal executive office)

=====

AVIATION COMMUNICATIONS & SURVEILLANCE SYSTEMS 401(K) PLAN
Index to Financial Statements

	Pages

Report of Independent Registered Public Accounting Firm	2
Financial Statements:	
Statements of Net Assets Available for Benefits at December 31, 2003 and 2002	3-4
Statement of Changes in Net Assets Available for Benefits for the Year Ended December 31, 2003	5
Notes to Financial Statements	6-12

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Participants and Administrator of
the Aviation Communications & Surveillance Systems 401(K) Plan:

We have audited the accompanying statements of net assets available for benefits of the Aviation Communications & Surveillance Systems 401(K) Plan (the "Plan") as of December 31, 2003 and 2002, and the related statement of changes in net assets available for benefits for the year ended December 31, 2003. 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 of these statements in accordance with the standards of the Public Company Accounting Oversight Board (United States). 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, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2003 and 2002, and the changes in net assets available for benefits for the year ended December 31, 2003 in conformity with accounting principles generally accepted in the United States of America.

/s/ PricewaterhouseCoopers LLP

New York, New York
June 28, 2004

AVIATION COMMUNICATIONS & SURVEILLANCE SYSTEMS 401(K) PLAN
 STATEMENT OF NET ASSETS AVAILABLE FOR BENEFITS
 DECEMBER 31, 2003
 (IN THOUSANDS)

	Participant Directed -----	Non- Participant Directed -----	Total -----
Assets:			
Investment in Master Trust	\$3,436 -----	\$1,255 -----	\$4,691 -----
Net assets available for benefits	\$3,436 =====	\$1,255 =====	\$4,691 =====

See Notes to Financial Statements

AVIATION COMMUNICATIONS & SURVEILLANCE SYSTEMS 401(K) PLAN
 STATEMENT OF NET ASSETS AVAILABLE FOR BENEFITS
 DECEMBER 31, 2002
 (IN THOUSANDS)

	Participant Directed	Non- Participant Directed	Total
	-----	-----	-----
Assets:			
Investment in Master Trust	\$1,481	\$869	\$2,350
Contributions receivable:			
Participants	22	-	22
Company	-	17	17
	-----	-----	-----
Net assets available for benefits	\$1,503	\$886	\$2,389
	=====	=====	=====

See Notes to Financial Statements

AVIATION COMMUNICATIONS & SURVEILLANCE SYSTEMS 401(K) PLAN
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
FOR THE YEAR ENDED DECEMBER 31, 2003
(IN THOUSANDS)

	Participant Directed -----	Non- Participant Directed -----	Total -----
Additions:			
Contributions:			
Participant	\$983	\$ --	\$983
Company	--	590	590
Rollover	249	--	249
Investment income:			
Net appreciation in the fair value of investment in Master Trust	389	173	562
Interest and dividend income	46	--	46
Interest (participant loans)	5	--	5
Transfers from non-participant directed funds to participant directed funds	350	(350)	--
Total additions	----- 2,022 -----	----- 413 -----	----- 2,435 -----
Deductions:			
Benefit payments and other deductions	89	44	133
Net increase	1,933	369	2,302
Net assets available for benefits, beginning of period	1,503	886	2,389
Net assets available for benefits, end of period	----- \$3,436 =====	----- \$1,255 =====	----- \$4,691 =====

See Notes to Financial Statements

AVIATION COMMUNICATIONS & SURVEILLANCE SYSTEMS 401(K) PLAN
NOTES TO FINANCIAL STATEMENTS

1. PLAN DESCRIPTION

General

The Aviation Communications & Surveillance Systems 401(k) Plan (the "Plan") was established effective June 1, 2001. Aviation Communications & Surveillance Systems, LLC (the "Company") maintains the Plan for its eligible employees. Employees of the Company who were participants in the L-3 Communications Master Savings Plan (the "Prior Plan") became participants in the Plan on June 1, 2001. The following description of the Plan provides only general information. Complete descriptions of the Plan, including eligibility requirements and vesting provisions, are contained in the Plan documents.

The Plan is a defined contribution 401(k) plan and is administered by the Benefit Plan Committee ("Plan Administrator") appointed by the Company. The Plan is designed to provide eligible employees with tax advantaged long-term savings for retirement. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA"). Participants may direct their investment to a combination of mutual funds, which are held in the L-3 Communications Master Savings Plan Trust (the "Master Trust"), managed by Fidelity Management Trust Company ("FMTC"), as Trustee.

Contributions

Full time employees are eligible to participate in the Plan as of their date of hire. Part time employees must complete at least 1,000 hours of service, from the date of hire, before being eligible to participate in the Plan. Each eligible employee wishing to participate in the Plan must elect to authorize pre-tax and/or post-tax contributions by payroll deduction. Participants may contribute from 1% to 18% of total compensation, as defined. A participant may elect to increase, decrease, suspend or resume contributions at any time. The election will become effective as soon as administratively possible as of the first day of the payroll period elected. The Internal Revenue Code ("IRC") of 1986, as amended, limited the maximum amount an employee may contribute on a pre-tax basis in 2003 to \$12,000 for participants under 50 years of age and \$14,000 for participants 50 years of age and over. Participants are 100% vested in their contributions and earnings thereon.

The Company matches 50% of participants' contributions up to a maximum participant elected contribution percentage of 8% of compensation, which increases to 100% of participants' contributions, up to 8% of compensation after five years of service. Company contributions are made in shares of L-3 Communications Holdings, Inc. common stock. Contributions are subject to IRC limitations.

Vesting

On June 1, 2001, participants of the Plan who were participants in the Prior Plan on May 31, 2001 became fully vested in Company contributions and earnings thereof in the Prior Plan. The table below presents the normal vesting schedule for Plan participants. Participants will also become fully vested in Company contributions of the Plan upon 1) disability, 2) death or 3) the participants 65th birthday if the participant is actively employed by the Company.

Completed Years of Service	Vested Percentage
-----	-----
Less than 1	0%
1	20%
2	40%
3	60%
4	80%
5 or more	100%

AVIATION COMMUNICATIONS & SURVEILLANCE SYSTEMS 401(K) PLAN
NOTES TO FINANCIAL STATEMENTS- CONTINUED

Participant Accounts

Each participant's account is credited with the participant's contribution and allocations of (a) the Company's contribution and (b) the Plan's earnings, and may be charged with certain administrative expenses. Allocations are based on participant earnings or account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Participant account balances from the Prior Plan may not be transferred into the Plan without the approval of the Benefit Plan Committee and such account balances are excluded from the Plan's statement of net assets available for benefits at December 31, 2003 and 2002.

Master Trust Investment Options

All non-participant directed employer contributions must be initially invested in the L-3 Stock Fund, and may not be invested in other Master Trust investment options until two years after the end of the plan year in which the employer contribution is made. Participants have the option of investing participant-directed employee contributions in the L-3 Stock Fund, as well as other investment options that are described below.

L-3 Stock Fund - This fund was established effective October 1, 1998 and invests in L-3 Communications Holdings, Inc. ("L-3 Holdings") common stock and money market funds. This fund represented 42.9% and 45.2% of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

Fidelity Freedom Funds - These funds invest in a combination of underlying Fidelity stock, bond and money market mutual funds to provide asset allocation with moderate risk. Each Fidelity Freedom Fund has a target retirement date and will gradually adopt a more conservative asset allocation over time.

Fidelity Freedom 2000 Fund - This fund invests approximately 23% in Fidelity stock mutual funds, 39% in Fidelity bond mutual funds and 38% in Fidelity money market funds and is targeted to investors who expect to retire in the near future. This fund represented less than one percent of the Plan's investment in the Master Trust at December 31, 2003 and 2002.

Fidelity Freedom 2010 Fund - This fund invests approximately 45% in Fidelity stock mutual funds, 45% in Fidelity bond mutual funds and 10% in Fidelity money market funds and is targeted to investors who expect to retire around the year 2010. This fund represented 1.4% and 1.5% of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

Fidelity Freedom 2020 Fund - This fund invests approximately 70% in Fidelity stock mutual funds and 30% in Fidelity bond mutual funds and is targeted to investors who expect to retire around the year 2020. This fund represented 4.8% and 4.0% of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

Fidelity Freedom 2030 Fund - This fund invests approximately 82% in Fidelity stock mutual funds and 18% in Fidelity bond mutual funds and is targeted to investors who expect to retire around the year 2030. This fund represented 3.0% and 3.3% of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

Fidelity Ginnie Mae Fund - Funds are invested for a high level of current income primarily from Government National Mortgage Association mortgaged-backed pass-through certificates that are guaranteed as to timely payment of interest and principal by the full faith and credit of the U.S. Government. This fund represented 3.9% and 2.8% of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

AVIATION COMMUNICATIONS & SURVEILLANCE SYSTEMS 401(K) PLAN
NOTES TO FINANCIAL STATEMENTS- CONTINUED

Fidelity Growth & Income Portfolio - Funds are invested mainly in securities of companies that offer potential capital appreciation while paying current dividends. This fund represented 5.1% and 4.8% of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

Fidelity Magellan Fund - Funds are invested for capital appreciation in a broad range of equities of domestic, multinational and foreign companies. This fund represented 8.3% and 7.7% of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

Fidelity Managed Income Portfolio II - Funds are invested in investment contracts offered by major insurance companies and in fixed income securities. This fund represented 12.0% and 14.9% of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

Fidelity OTC Portfolio - This fund invests at least 80% of its assets in securities traded on NASDAQ or other over-the-counter (OTC) markets that primarily trade in small and medium-sized companies. This fund invests more than 25% of its assets in the technology sector. This fund represented 1.1% and less than one percent of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

INVESCO Dynamics Fund - Funds are invested in common stocks of rapidly growing mid-sized domestic companies. Mid-sized companies are defined as those companies that have a market capitalization of between \$2.5 billion and \$15.0 billion. This fund represented 2.7% and 2.9% of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

Invesco Small Company Growth Fund - This fund invests in equities of companies with market capitalizations of less than \$2.5 billion. This fund focuses on companies with accelerating earnings attributable to rapid sales growth. This fund represented less than one percent of the Plan's investment in the Master Trust at December 31, 2003 and 2002.

Janus Overseas Fund - Funds are invested in common stocks of foreign companies. This fund represented 3.3% and 2.9% of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

Spartan U.S. Equity Index Fund - This fund invests at least 80% of its assets in common stocks of the 500 companies that comprise the Standard & Poor's 500 Index. This fund represented 3.8% and 3.9% of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

T. Rowe Price Small-Cap Stock Fund - This fund invests at least 80% of its assets in equities of small companies. A small company is defined as having a market capitalization that falls within the range of the companies in the Russell 2000 Index. This fund represented 3.0% and 2.1% of the Plan's investment in the Master Trust at December 31, 2003 and 2002, respectively.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Investment in Master Trust

Investment assets of the Plan are maintained in the Master Trust administered by FMTC, as Trustee. The Plan participates in the Master Trust along with all the assets of the L-3 Communications Master Savings Plan and the SPD Technologies Defined Contribution Retirement Plan, collectively referred to as the Participating Plans. During the year ended December 31, 2003, the SPD Technologies Defined Contribution Retirement Plan was merged into the L-3 Communications Master Savings Plan.

The investment in the Master Trust represents the Plan's proportionate share of assets held in the Master Trust. The assets consist of units of funds that are maintained by FMTC. (See Note 1 for a description of the fund options.) Contributions, benefit payments and certain administrative expenses are specifically identified to the Plan.

Valuation of Investments

The investment in the Master Trust is stated at fair value.

The L-3 Stock Fund is a unitized fund whose underlying assets consist primarily of shares of L-3 Holdings' common stock. Shares of L-3 Holdings' common stock are valued at the last reported quoted market price of a share on the last business day of the year.

Investments in mutual funds are valued at quoted market prices, which represent the net asset value per share as reported by Fidelity Management and Research Company. Participant loans are valued at cost, which approximates fair value.

Basis of Accounting

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

Investment Transactions and Investment Income

Investment transactions are accounted for on a trade-date basis. Dividend income is recorded on the ex-dividend date. Interest income is recorded on an accrual basis. Gains and losses on sales of investment securities are determined based on the average cost method.

Net appreciation in the fair value of the Plan's investment, as shown in the Statement of Changes in Net Assets Available for Benefits, consists of the Plan's proportionate share of realized gains or losses and unrealized appreciation or depreciation on those investments. The net appreciation and interest and dividends are allocated to the L-3 Participating Plans based upon the relationship of each L-3 Participating Plan's respective monthly balances in the investment pool to the total investment pool of the Master Trust, as determined at the beginning of each month.

Forfeitures

Non-vested Company contributions are forfeited upon termination and used to pay plan expenses and to reduce future Company contributions. Forfeitures available were approximately \$8,000 and \$5,000 at December 31, 2003 and 2002, respectively.

AVIATION COMMUNICATIONS & SURVEILLANCE SYSTEMS 401(K) PLAN
NOTES TO FINANCIAL STATEMENTS- CONTINUED

Benefit Payments

Benefit payments are recorded when paid.

Plan Expenses

The Company pays all administrative expenses of the Plan including trustee, record keeping, consulting, audit and legal fees, with the exception of loan administration fees, which are charged to participants. Taxes and investment fees related to the stock funds or mutual funds are paid from the net assets of such funds.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results will differ from these estimates. The most significant estimate relates to valuations of investments in the Master Trust.

Risks and Uncertainties

The Plan provides for investment options in various mutual funds and the L-3 Stock Fund. Investment securities are exposed to various risks, such as interest rate, market and credit risk. Due to the level of risk associated with certain investment securities and the level of uncertainty related to changes in the value of investment securities, it is at least reasonably possible that changes in risks in the near term would materially affect participants' account balances and the amounts reported in the statement of net assets available for benefits and the statement of changes in net assets available for benefits.

AVIATION COMMUNICATIONS & SURVEILLANCE SYSTEMS 401(K) PLAN
NOTES TO FINANCIAL STATEMENTS- CONTINUED

3. MASTER TRUST

The fair value of the investments of the Master Trust held by the Trustee and the Plan's portion of the fair value at December 31, 2003 and 2002 are presented in the table below. The Plan's percentage interest in the Master Trust was less than one percent at December 31, 2003 and 2002.

Fund	Master Trust		Plan's Portion	
	2003	2002	2003	2002
	(in thousands)			
L-3 Stock Fund	\$ 163,886	\$111,997	\$ 2,013	\$ 1,063
Fidelity Freedom 2000 Fund	7,340	5,051	34	18
Fidelity Freedom 2010 Fund	57,360	46,689	64	36
Fidelity Freedom 2020 Fund	26,681	15,253	225	94
Fidelity Freedom 2030 Fund	11,882	7,098	141	78
Fidelity Freedom 2040 Fund	1,608	97	-	-
Fidelity Ginnie Mae Fund	45,371	44,804	184	65
Fidelity Growth & Income Portfolio	96,541	76,540	239	112
Fidelity Magellan Fund	146,006	108,998	387	180
Fidelity Managed Income Portfolio II	204,132	175,271	564	349
Fidelity OTC Portfolio	12,876	6,497	52	18
INVESCO Dynamics Fund	39,261	22,612	128	67
INVESCO Small Company Growth Fund	7,921	3,366	33	10
Janus Overseas Fund	37,591	25,663	154	69
Loral Space Stock Fund	-	66	-	-
Spartan U.S. Equity Index Fund	45,038	28,249	179	92
T. Rowe Price Small-Cap Stock Fund	33,525	18,811	139	49
Participant Loans (5.0% to 7.0%)	23,431	21,947	155	50
	\$ 960,450	\$719,009	\$ 4,691	\$ 2,350
	=====	=====	=====	=====

The net change in the fair value of the Master Trust and the Plan's portion of the net change in fair value for the year ended December 31, 2003 is presented in the table below.

	Master Trust	Plan's Portion
	(in thousands)	
Net appreciation in fair value of investment:		
Registered investment companies	\$ 94,909	\$ 291
L-3 Stock Fund	21,361	271
	-----	-----
	116,270	562
Interest and dividend income	16,168	46
	-----	-----
Net increase in fair value	\$ 132,438	\$ 608
	=====	=====

4. BENEFIT PAYMENTS

Upon termination, participants may receive the vested portion of their account balance as soon as practicable after termination, at the participants' option, either in a lump sum or in periodic installments as provided for in the Plan document. Terminated participants who have an account balance in excess of \$5,000 may elect to leave their account balance in the Plan and withdraw it at any time up to age 65.

Assets in a participant's account may be withdrawn before termination of employment or before reaching age 59 1/2 only for financial hardship. Financial hardship is determined pursuant to provisions of the Plan and the IRC. Generally, a penalty will be imposed on withdrawals made before the participant reaches age 59 1/2. In the event of retirement or termination of employment prior to age 59 1/2, funds may be rolled over to another qualified plan or individual retirement account without being subject to income tax or a penalty.

5. LOANS

The Plan provides for loans to active participants. Participants may not have more than one loan outstanding at any time. The maximum loan allowed to each participant is the lesser of (1) \$50,000 less the highest outstanding loan balance over the prior 12 months or (2) 50% of the vested value of the participant's account in the Plan. The minimum loan amount is \$1,000. The interest rate is based on the prime interest rate, as defined, plus one percent. The maximum term of a loan is 5 years or 30 years if used to purchase a principal residence.

Loan repayments are made through payroll deductions, with principal and interest credited to the participants' fund accounts. Repayment of the entire balance is permitted at any time. Participants who terminate employment may continue to repay their outstanding loans as permitted by the Plan document. Participant loans are secured by the participant's vested account balance.

6. TAX STATUS

The Internal Revenue Service has determined and informed the Company by a letter dated May 6, 2003, that the Plan and related trust are designed in accordance with applicable sections of the IRC, and thus is exempt from federal income taxes. The Plan Administrator and the Plan's counsel believe that the Plan is designed and is currently being operated in compliance with the applicable regulations of the IRC.

7. RELATED-PARTY TRANSACTIONS

Certain Plan investments are shares of mutual funds managed by FMTC and therefore these transactions qualify as party-in-interest. Fees paid by the Company for record keeping services were \$4,250 for the year ended December 31, 2003.

8. TERMINATION PRIORITIES

Although the Company has not expressed intent to do so, the Company can discontinue its contributions and/or terminate the Plan at any time, subject to the provisions of ERISA. In the event of a discontinuance and/or termination of the Plan, plan participants will become 100 percent vested in Company contributions and the net assets of the Plan will be allocated among the participants and their beneficiaries in accordance with the provisions of ERISA.

Pursuant to the requirements of the Securities Exchange Act of 1934, the trustees of the Aviation Communications & Surveillance Systems 401(k) Plan have duly caused this annual report to be signed on their behalf by the undersigned thereunto duly authorized.

Aviation Communications & Surveillance Systems
401(k) Plan
Registrant

Date: June 28, 2004

/s/ Michael T. Strianese

Name: Michael T. Strianese
Title: Senior Vice President, Finance
of L-3 Communications Holdings, Inc.
(Principal Accounting Officer)

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in the Registration Statement on Form S-8 (File Nos. 333-59281, 333-64389, 333-78317, 333-64300 and 333-103752) and on Form S-3 (File Nos. 333-75558, 333-84826 and 333-99693) of L-3 Communications Holdings, Inc. of our report dated June 28, 2004 on our audit of the financial statements of the Aviation Communications & Surveillance Systems 401(k) Plan, included in this Form 11-K.

/s/ PricewaterhouseCoopers LLP

New York, NY
June 28, 2004