

EXHIBIT R-2, FY 2001 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: February 2000

BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N

PROGRAM ELEMENT TITLE: Depot Maintenance (Non-IF)

(U) COST: (Dollars in Thousands)

<u>Project Number & Title</u>	<u>FY 1999 Actual*</u>	<u>FY 2000 Budget</u>	<u>FY 2001 Estimate</u>	<u>FY 2002 Estimate</u>	<u>FY 2003 Estimate</u>	<u>FY 2004 Estimate</u>	<u>FY 2005 Estimate</u>	<u>To Complete</u>	<u>Total Program</u>
H2451 P-3C SLAP	26,871	23,890	19,029	6,894	5,202	2,937	0	0	84,823
H2452 S-3 SLAP	21,847	14,151	4,624	0	0	0	0	0	40,622
H2740 T-45 SLAP	0	0	0	0	11,871	7,910	0	0	19,781
W2454 AN/ARC-210-RT-1794(C)*	5,639	1,723	567	752	0	0	0	0	8,681
W2737 Platform Follow-on Analysis	0	0	9,946	4,804	8,824	0	0	0	23,574
TOTAL	54,357	39,764	34,166	12,450	25,897	10,847	0	0	177,481

Quantity of RDT&E Articles

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Service Life Assessment Program (SLAP) on the P-3 to include all P-3 derivatives (H2451) and S-3B (H2452) began in FY 1999. These efforts are required to be conducted for these airframes to ascertain what actions must be taken to safely operate each system until the targeted end of service life. The results of the SLAP also provide justification for funding a Service Life Extension Program (SLEP) for fatigue limiting components with APN-5 funding. The AN/ARC-210-RT-1794(C) (W2454) will provide for the development of radio software modifications required for upgrades to the evolving standards.

JUSTIFICATION OF BUDGET ACTIVITY: This program is funded under OPERATIONAL SYSTEMS DEVELOPMENT because it encompasses engineering and manufacturing development for the upgrade of existing, operational systems.

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EXHIBIT R-2a, FY 2001 RDT&E,N BUDGET PROJECT JUSTIFICATION SHEET

DATE: February 2000

BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N
PROGRAM ELEMENT TITLE: Depot Maintenance

PROJECT NUMBER: H2451
PROJECT TITLE: P-3 SLAP

(U) COST: (Dollars in Thousands)

<u>Project Number & Title</u>	<u>FY 1999 Actual*</u>	<u>FY 2000 Budget</u>	<u>FY 2001 Estimate</u>	<u>FY 2002 Estimate</u>	<u>FY 2003 Estimate</u>	<u>FY 2004 Estimate</u>	<u>FY 2005 Estimate</u>	<u>To Complete</u>	<u>Total Program</u>
H2451 P-3 SLAP	26,871	23,890	19,029	6,894	5,202	2,937	0	0	84,823
TOTAL	26,871	23,890	19,029	6,894	5,202	2,937	0	0	84,823

Quantity of RDT&E Articles

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The P-3 Service Life Assessment Program (SLAP) will perform Non-Recurring Engineering (NRE) for the P-3 Service Life Extension Program (SLEP). SLAP includes a fatigue article destructive test of a full scale P-3C, associated pre-test and post-test analyses, NRE for designing SLEP kits, and post-test disposal. SLEP is a fatigue life extension program that will extend operational service life by replacing fatigue limiting airframe components. Present fatigue life estimates (from 20,000 to 24,000 flight hours) are based on analysis alone. SLAP will identify specific components that require replacement or modification in order to extend the aircraft model's service life beyond its original design parameters by approximately 6,000 flight hours. This SLAP effort was previously budgeted under APN-5 (BLI 538) funding within OSIP 02-99.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. FY 1999 ACCOMPLISHMENTS:

(U) (\$25,225) Initiated reaction frame buildup, pre-analysis, aircraft preparation.

(U) (\$ 257) Provided preliminary engineering reports, quality assurance reports, preliminary SLEP drawings, and cost schedule status reporting.

(U) (\$ 279) Continued contract support services.

(U) (\$ 1,110) Provided Naval Air Warfare Center (NAWC) field support.

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PROGRAM ELEMENT TITLE: Depot Maintenance

PROJECT NUMBER: H2451
PROJECT TITLE: P-3 SLAP

2. FY 2000 PLAN:

(U) (\$20,638) Initiate Fatigue article test.

(U) (\$ 550) Provide engineering reports, quality assurance reports, preliminary SLEP drawings, cost schedule status reporting.

(U) (\$ 1,659) Continue contract support services.

(U) (\$ 1,043) Conduct high speed wind tunnel testing. Continue Naval Air Warfare Center (NAWC) field support.

3. FY 2001 PLAN:

(U) (\$16,317) Initiate Fatigue life expended rebaseline and Structural Data Recording Set (SDRS) tracking algorithm development.

(U) (\$ 250) Provide engineering reports, quality assurance reports, SLEP drawings, and cost schedule status reporting.

(U) (\$ 642) Continue contract support services.

(U) (\$ 1,820) Conduct coupon testing and new material evaluation/characterization. Provide Naval Air Warfare Center (NAWC) field support.

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DATE: February 2000

BUDGET ACTIVITY: 7

**PROGRAM ELEMENT: 0702207N
PROGRAM ELEMENT TITLE: Depot Maintenance**

**PROJECT NUMBER: H2451
PROJECT TITLE: P-3 SLAP**

(U) B. PROGRAM CHANGE SUMMARY

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
(U) FY 2000 President's Budget:	28,123	24,023	19,295
(U) Appropriated Value:	28,694	24,023	
(U) Adjustments from Pres Budget:	-1,252	-133	-266
(U) FY 2001 President's Budget Submit:	26,871	23,890	19,029

CHANGE SUMMARY EXPLANATION:

(U) Funding: The FY 1999 net decrease of \$1,252 thousand reflects a \$130 thousand reduction for inflation savings, a \$338 thousand reduction for reprioritization of requirements within the Navy and a \$784 thousand reduction for a SBIR assessment. The FY 2000 decrease reflects a \$133 thousand reduction for an Across-the-Board Congressional rescission. The FY 2001 net decrease of \$266 thousand reflects a \$120 thousand reduction for reprioritization of requirements within the Navy, a \$7 thousand decrease for Navy Working Capital Fund (NWCF), a \$5 thousand increase for Military and Civilian Pay, and a \$144 thousand decrease for revised economic assumptions.

(U) Schedule: Due to a reprioritization of FY99 program requirements PDR was delayed from the 2Q/99 to 3Q/99. In addition, CDR was delayed from 3Q/99 to 2Q/00. The FY99 contract award was delayed from 1Q/99 to 2Q/99. The FY 2001 events were added to document the Fatigue Life Expended (FLE) baselining (3Q/01) and SDRS development (4Q/01).

(U) Technical: Not Applicable.

(U) C. OTHER PROGRAM FUNDING SUMMARY: Not Applicable.

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DATE: February 2000

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PROGRAM ELEMENT: 0702207N
PROGRAM ELEMENT TITLE: Depot Maintenance

PROJECT NUMBER: H2451
PROJECT TITLE: P-3 SLAP

(U) D. ACQUISITION STRATEGY: SLAP is a full and open competition for a fatigue article test. The contract will be a cost plus incentive fee (CPFF), therefore, providing an incentive to the contractor to effectively manage program cost and schedule. This program is in the source selection process. Contract award was March 1999. SLAP supports the Secretary of the Navy's Maritime Patrol Aircraft Ten Year Plan.

(U) E. SCHEDULE PROFILE

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>TO COMPLETE</u>
(U) Program Milestones				
(U) Engineering Milestones	Prelim. Design Review (3Q/99)	Critical Design Review (2Q/00)	Fatigue Life Expended Rebaseline (3Q/01) SDRS Tracking Algorithm (4Q/01)	
(U) T&E Milestones		1Q/00 Conduct Fatigue Test 4Q/00 SLEP Kit Data Package		
(U) Contract Milestones	Contract Award (2Q/99)			

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EXHIBIT R-3, FY 2001 RDT&E,N COST ANALYSIS

DATE: February 2000

BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N

PROJECT NUMBER: H2451

PROJECT TITLE: P-3 SLAP

<u>Cost Categories:</u>	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior Yrs Cost</u>	<u>FY 1999 Cost</u>	<u>FY 1999 Award Date</u>	<u>FY 2000 Cost</u>	<u>FY 2000 Award Date</u>	<u>FY 2001 Cost</u>	<u>FY2001 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
Contracts	C/CPIF	LMAS		25,482	Mar 99	21,188	Feb 00	16,567	Nov 00	13,361	76,598	76,598
Subtotal Product Development				25,482		21,188		16,567		13,361	76,598	
Remarks:												
Field Activity Support	WX	NAWCAD Pax River, MD		1,110	Nov 98	1,659	Jan 00	1,820	Nov 00	1,320	5,909	
Subtotal Support				1,110		1,659		1,820		1,320	5,909	
Remarks:												
Subtotal Test & Evaluation												
Remarks:												
Contracts	C/CPIF	Various		279	Nov 98	1,043	Feb 00	642	Nov 00	352	2,316	2,316
Subtotal Management				279		1,043		642		352	2,316	
Remarks:												
Total Cost				26,871		23,890		19,029		15,033	84,823	

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EXHIBIT R-2a, FY 2001 RDT&E,N BUDGET PROJECT JUSTIFICATION SHEET

DATE: February 2000

BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N

PROJECT NUMBER: H 2452

PROGRAM ELEMENT TITLE: Depot Maintenance

PROJECT TITLE: S-3 SLAP

(U) COST: (Dollars in Thousands)

<u>Project Number & Title</u>	<u>FY 1999 Actual*</u>	<u>FY 2000 Budget</u>	<u>FY 2001 Estimate</u>	<u>FY 2002 Estimate</u>	<u>FY 2003 Estimate</u>	<u>FY 2004 Estimate</u>	<u>FY 2005 Estimate</u>	<u>To Complete</u>	<u>Total Program</u>
H2452 S-3 SLAP	21,847	14,151	4,624	0	0	0	0	0	40,622
TOTAL	21,847	14,151	4,624	0	0	0	0	0	40,622

Quantity of RDT&E Articles

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The S-3 Service Life Assessment Program (SLAP) (H2452) will determine the present S-3B fatigue life for 113 aircraft which were all procured from 1972 to 1976. The purpose is to validate the critical structures kit to ensure the aircraft meets its service life goal of 2015 and to determine the magnitude of the SLEP necessary to extend service life beyond 2015. The SLAP will certify an increase of the aircraft fatigue life from 13,000 flight hours to approximately 17,500 flight hours and from 3,000 to 4,300 catapults/arrested landings. This SLAP effort was previously budgeted under APN-5 (BLI 541) funding within OSIP 12-95.

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BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N

PROGRAM ELEMENT TITLE: Depot Maintenance

PROJECT NUMBER: H2452

PROJECT TITLE: S-3 SLAP

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. FY 1999 ACCOMPLISHMENTS:

(U) (\$17,916) Service Life Assessment Program (SLAP)/Full Scale Fatigue Test (FSFT) contract awarded.

(U) (\$ 3,781) Provided Field activity support for SLAP/FSFT efforts.

(U) (\$ 150) Initiated contract support services.

2. FY 2000 PLAN:

(U) (\$12,885) Continue SLAP/FSFT.

(U) (\$ 1,096) Continue field activity support for SLAP/FSFT efforts.

(U) (\$ 170) Continue contract support services.

3. FY2001 PLAN:

(U) (\$4,159) Complete SLAP/FSFT effort.

(U) (\$ 345) Final field activity support for SLAP/FSFT.

(U) (\$ 120) Continue contract support services.

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PROGRAM ELEMENT: 0702207N
PROGRAM ELEMENT TITLE: Depot Maintenance

PROJECT NUMBER: H2452
PROJECT TITLE: S-3 SLAP

(U) B. PROGRAM CHANGE SUMMARY

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
(U) FY 2000 President's Budget:	23,634	14,230	4,691
(U) Appropriated Value:	23,781	14,230	
(U) Adjustments from Pres Budget:	-1,787	-79	-67
(U) FY 2001 President's Budget Submit:	21,847	14,151	4,624

CHANGE SUMMARY EXPLANATION:

(U) Funding: The FY 1999 net decrease of \$1,787 thousand is a \$108 thousand reduction for inflation savings and \$1,679 thousand reduction for the reprioritization of requirements within the Navy. The FY 2000 decrease reflects a \$79 thousand reduction for an Across-the-Board Congressional recision. The FY 2001 net decrease of \$67 thousand includes a \$17 thousand reduction for the reprioritization of requirements within the Navy and a \$50 thousand decrease for revised economic assumptions.

(U) Schedule: Not Applicable.

(U) Technical: Not Applicable.

(U) C. OTHER PROGRAM FUNDING SUMMARY

<u>APPN</u>	<u>FY 1999</u> <u>Actual</u>	<u>FY 2000</u> <u>Estimate</u>	<u>FY 2001</u> <u>Estimate</u>	<u>FY 2002</u> <u>Estimate</u>	<u>FY 2003</u> <u>Estimate</u>	<u>FY 2004</u> <u>Estimate</u>	<u>FY 2005</u> <u>Estimate</u>	<u>To</u> <u>Complete</u>
APN S-3 (OSIP 12-95)	9,992	8,836	12,383	9,756	6,629	4,205	2,547	0

NOTE: S-3B Critical Structures OSIP contains all S-3B structural degraders, not just those associated with SLAP.

Related RDT&E

() P.E.

None.

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EXHIBIT R-2a, FY 2000/2001 RDT&E,N BUDGET PROJECT JUSTIFICATION SHEET

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BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N

PROJECT NUMBER: H2452

PROGRAM ELEMENT TITLE: Depot Maintenance

PROJECT TITLE: S-3 SLAP

(U) D. ACQUISITION STRATEGY: The S-3 Service Life Assessment Program is a sole source procurement to the Original Equipment Manufacturer, Lockheed Martin of Marietta, GA. A CPIF contract was awarded October 1998.

(U) E. SCHEDULE PROFILE

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>TO COMPLETE</u>
(U) Program Milestones				
(U) Engineering Milestones	Test Fixture Design Analysis (3Q/99) Test Spectrum Development (1Q/99-4Q/99)	Test Fixture Design and Assembly (1Q/00-3Q/00)		
(U) T&E Milestones		Full Scale Test (4Q/00)	Full Scale Test (1Q/01-4Q/01)	
(U) Contract Milestones	Contract Award (1Q/99)			

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EXHIBIT R-3, FY 2001 RDT&E,N COST ANALYSIS

DATE: February 2000

BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N

PROJECT NUMBER: H2452

PROJECT TITLE: S-3 SLAP

Contract	Performing	Total	FY			FY			Cost to Complete	Total	Target
			Prior Yrs	1999	1999	2000	2000	2001			
<u>Method & Type</u>	<u>Activity & Location</u>	<u>Cost</u>	<u>FY 1999 Cost</u>	<u>Award Date</u>	<u>FY 2000 Cost</u>	<u>Award Date</u>	<u>FY 2001 Cost</u>	<u>Award Date</u>		<u>Cost</u>	<u>Value of Contract</u>
Contracts	SS/CPIF LMAS/Marietta, GA		17,916	Oct 98	12,885	Feb 00	4,159	Nov 00		34,960	34,960
Subtotal Product Development			17,916		12,885		4,159			34,960	
Remarks:											
Contracts	C/FFP RBC, VA		150	Nov 98	150	Jan 00	120	Nov 00		420	420
Subtotal Support			150		150		120			420	
Remarks:											
Test & Evaluation	WX NAWC/AD Pax River, MD		3,319	Nov 98	20	Jan 00	20	Nov 00		3,359	
Subtotal Test & Evaluation			3,319		20		20			3,359	
Remarks:											
Management	WX NADEP North Island, CA		462	Nov 98	1,096	Apr 00	325	Nov 00		1,883	
Subtotal Management			462		1,096		325			1,883	
Remarks:											
Total Cost			21,847		14,151		4,624			40,622	

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DATE: February 2000

BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N

PROJECT NUMBER: W2454

PROGRAM ELEMENT TITLE: DEPOT MAINTENANCE

PROJECT TITLE: AN/ARC-210 RT-1794(C)

(U) COST: (Dollars in Thousands)

<u>Project Number & Title</u>	<u>FY 1999 Actual</u>	<u>FY 2000 Budget</u>	<u>FY 2001 Estimate</u>	<u>FY 2002 Estimate</u>	<u>FY 2003 Estimate</u>	<u>FY 2004 Estimate</u>	<u>FY 2005 Estimate</u>	<u>To Complete</u>	<u>Total Program</u>
W2454 AN/ARC-210 RT-1794(C)*	5,639	1,723	567	752	0	0	0	0	8,681
TOTAL	5,639	1,723	567	752	0	0	0	0	8,681

Quantity of RDT&E Articles

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Project W2454, AN/ARC-210 RT-1794(C): This project provides for the development of radio software modifications required for upgrades to the evolving standards. Annual engineering change proposals to accomplish implementation of additional advanced waveforms, have been planned to maintain interoperability/connectivity with other services, FAA and ICAO (commercial air traffic data links). Implementation of these waveforms is essential and will be accomplished in the Fleet by organizational units via the Memory Loader Verifier System (MLVS). These changes are the responsibility of the radio program for funding, management, and execution.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. FY 1999 ACCOMPLISHMENTS:

(U) (\$5, 639) Developed upgrades and initiated Engineering Change Orders (ECO) to meet requirements for DAMA SATCOM waveform standards upgrade; digital battlefield interoperability/connectivity communications; and commercial air traffic management data links (VHF Data Link (VDL) Mode 3).

FY 2000 PLAN:

(U) (\$1,723) Develop upgrades and initiate Engineering Change Orders (ECO) to meet requirements for upgrades to MIL STD 188-220, variable message formatting, communications security and commercial air traffic management data link interoperability (VDL Mode 3).

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PROGRAM ELEMENT: 0702207N
PROGRAM ELEMENT TITLE: DEPOT MAINTENANCE

PROJECT NUMBER: W2454
PROJECT TITLE: AN/ARC-210 RT-1794(C)

2. FY 2001 PLAN:

U) (\$ 567) Develop upgrades and initiate Engineering Change Orders (ECO) to meet requirements for improved satellite communications data rates. Upgrade radio operational software to include new waveforms for Demand Assigned Multiple Access Satellite Communications (DAMA SATCOM) and digital battlefield interoperability, and commercial air traffic management data links, obtain Joint Interoperability Test Center (JITC) certification, and initiate Software Integration Lab (SIL) tests.

(U) B. PROGRAM CHANGE SUMMARY

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
(U) FY 2000 President's Budget:	6,445	1,733	576
(U) Appropriated Value:	6,486	1,733	
(U) Adjustments from Pres Budget:	-806	-10	-9
(U) FY 2001 President's Budget Submit:	5,639	1,723	567

CHANGE SUMMARY EXPLANATION:

(U) Funding: The FY 1999 decrease of \$806 thousand reflects a decrease of \$29 thousand for revised economic assumptions, a decrease of \$692 thousand for reprioritization of requirements within the Navy and a decrease of \$85 thousand for congressional undistributed adjustments. The FY 2000 decrease reflects a \$10 thousand reduction for an Across-the-Board Congressional recision. The FY 2001 decrease of \$9 thousand reflects a \$2 thousand decrease for reprioritization of requirements within the Navy, a net decrease of \$1 thousand due to Strategic Sourcing Plan savings and Navy Working Capital Fund (NWCF) adjustments, and a decrease of \$6 thousand for revised economic assumptions.

(U) Schedule: Not applicable.

(U) Technical: Not applicable.

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**PROGRAM ELEMENT: 0702207N
PROGRAM ELEMENT TITLE: DEPOT MAINTENANCE**

**PROJECT NUMBER: W2454
PROJECT TITLE: AN/ARC-210 RT-1794(C)**

(U) C. OTHER PROGRAM FUNDING SUMMARY

<u>Appn</u>	<u>FY 1999 Budget</u>	<u>FY 2000 Estimate</u>	<u>FY 2001 Estimate</u>	<u>FY 2002 Estimate</u>	<u>FY 2003 Estimate</u>	<u>FY 2004 Estimate</u>	<u>FY 2005 Estimate</u>	<u>To Complete</u>
APN L.I. 0577	99,829	81,077	71,620	90,001	87,764	109,523	101,240	Cont'd

Related RDT&E

None.

(U) D. ACQUISITION STRATEGY: Sole source to Rockwell Collins, Inc. for the production and enhancement of the AN/ARC-210(V) Electronic Radio Protection radios.

(U) E. SCHEDULE PROFILE: Not Applicable

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EXHIBIT R-3, FY 2001 RDT&E,N COST ANALYSIS

DATE: February 2000

BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N

PROJECT NUMBER: W2454

PROJECT TITLE: AN/ARC-210
RT-1794 (C)

<u>Cost Categories:</u>	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior Yrs Cost</u>	<u>FY 1999 Cost</u>	<u>FY 1999 Award Date</u>	<u>FY 2000 Cost</u>	<u>FY 2000 Award Date</u>	<u>FY 2001 Cost</u>	<u>FY 2001 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
Prime Eqpmt/E&MD Prime Contract	SS/ BOA	Rockwell Collins Cedar Rapids, IA	0	3,727	5/99	1,195	11/99	408	11/00	555	5,885	5,830
Systems Engineering	Misc.	Misc.	0	1,258	2/99	475	11/99	142	11/00	141	2,016	
Subtotal Project Development			0	4,985		1,670		550		696	7,901	
Remarks:												
Subtotal Support			0	0		0		0		0	0	
Remarks												
Systems T&E	Various	Various	0	614	4/99	35	11/99	12	11/00	16	677	
Subtotal Test & Evaluation			0	614		35		12		16	677	
Remarks												
Travel	WX	NAWCAD Pax River, MD	0	40	11/98	18	11/99	5	11/00	40	103	
Subtotal Management			0	40		18		5		40	103	
Remarks												
Total Cost			0	5,639		1,723		567		752	8,681	

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EXHIBIT R-2a, FY 2001 RDT&E,N BUDGET PROJECT JUSTIFICATION SHEET

DATE: February 2000

BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N

PROGRAM ELEMENT TITLE: Platform Follow-on Analysis

(U) COST: (Dollars in Thousands)

<u>Project Number & Title</u>	<u>FY 1999 Actual</u>	<u>FY 2000 Budget</u>	<u>FY 2001 Estimate</u>	<u>FY 2002 Estimate</u>	<u>FY 2003 Estimate</u>	<u>FY 2004 Estimate</u>	<u>FY 2005 Estimate</u>	<u>To Complete</u>	<u>Total Program</u>
W2737 Platform Follow-on Analysis*	0	0	9,946	4,804	8,824	0	0	0	23,574
TOTAL	0	0	9,946	4,804	8,824	0	0	0	23,574

Quantity of RDT&E Articles

* FY 01 includes CSA (\$5,507) and MMA (\$4,439); CSA only in other FYs.

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Common Support Aircraft (CSA) is a phased modernization program to replace aging and costly E-2C, ES-3A, S-3B, and C-2A aircraft with carrier-compatible, long service life, mission platform(s). After exploring alternatives such as a new design aircraft and derivatives of existing aircraft the CSA program will develop and produce the solution that provides the required performance, capabilities, and 21st century growth potential at an affordable life cycle cost. Multi-mission Maritime Aircraft (MMA) was funded under PE 0605152N Project W2092 Studies and Analysis in FY 1998 and FY 1999. In FY 2001, the Concept Exploration (CE) phase continues to address replacement of the P-3C and EP-3E aircraft which reach the end of their fatigue life beginning in FY 2002. Funds supporting MMA Concept Exploration will develop an Analysis of Alternatives, and provide engineering and operations analysis support leading to milestone decisions for a major acquisition program.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. FY 1999 PLAN: Not Applicable
2. FY 2000 PLAN: Not Applicable
3. FY 2001 PLAN: (U) (\$5,507) The CSA consists of funding to initiate an analysis of alternatives (AoA) and other pre-EMD studies to explore airframes and systems.

(U) (\$4,439) MMA will complete a AOA and phase 0 Concept Exploration Acquisition documentation.

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BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N

PROGRAM ELEMENT TITLE: Platform Follow-on Analysis

DATE: February 2000

(U) B. PROGRAM CHANGE SUMMARY

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
(U) FY 2000 President's Budget:	0	0	0
(U) Appropriated Value:	0	0	
(U) Adjustments from Pres Budget:	0	0	9,946
(U) FY 2001 President's Budget Submit:	0	0	9,946

CHANGE SUMMARY EXPLANATION:

(U) Funding: The FY 2001 net increase of \$9,946 thousand consists of an increase of \$5,580 thousand for CSA, an increase of \$4,500 thousand for MMA, a \$68 thousand decrease for Strategic Sourcing Plan savings, a \$26 thousand decrease for reprioritization of requirements within the Navy and a \$40 thousand decrease for revised economic assumptions.

(U) Schedule: In FY 2001, CSA and MMA program milestones are added.

(U) Technical:

(U) C. OTHER PROGRAM FUNDING SUMMARY

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>To</u>
<u>Appn</u>	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>
None.								

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EXHIBIT R-2a, FY 2001 RDT&E,N BUDGET PROJECT JUSTIFICATION SHEET

DATE: February 2000

BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N

PROJECT NUMBER: W2737

PROGRAM ELEMENT TITLE: Platform Follow-on Analysis

PROJECT TITLE: Platform Follow-on Analysis

Related RDT&E

(U) PE 0605152N (Naval Aviation Studies)

D. (U) D. ACQUISITION STRATEGY: A CSA Acquisition Strategy document has not been prepared or approved. The MMA Mission Need Statement (MNS) has been submitted for validation and approval.

(U) E. SCHEDULE PROFILE

FY 1999

FY 2000

FY 2001

TO COMPLETE

(U) Program Milestones

CSA AOA 1Q/01
CSA Initial ORD 4Q/01
MMA 1Q/01 Concept
Exploration
MMA Engineering, Ops
Analysis & Concept
Evaluation

(U) Engineering Milestones

(U) T&E Milestones

(U) Contract Milestones

R-1 Item No. 197
UNCLASSIFIED

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EXHIBIT R-3, FY 2001 RDT&E,N COST ANALYSIS

DATE: February 2000

BUDGET ACTIVITY: 7

PROGRAM ELEMENT: 0702207N

PROJECT NUMBER: W2737

PROJECT TITLE: Platform Follow-on Analysis

<u>Cost Categories:</u>	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior Yrs Cost</u>	<u>FY 1999 Cost</u>	<u>FY 1999 Award Date</u>	<u>FY 2000 Cost</u>	<u>FY 2000 Award Date</u>	<u>FY 2001 Cost</u>	<u>FY 2001 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
Subtotal Product Development			0	0		0		0		0	0	
Remarks:												
CSA Studies	C/FFP	TBD	0	0		0		4,000		10,000	14,000	14,000
CSA Studies	C/FFP	TBD	0	0				1,257		3,228	4,485	4,485
MMA AOA	MIPR	FFRDC, VA						2,720	Dec 00	0	2,720	
MMA Technical Support (CS)	C/FFP	TBD						300	Nov 00	0	300	300
MMA Concept Exploration Systems Engineering & Operations Analysis	WX	NAWC-AD Pax River, MD						1,419	Nov 00	0	1,419	
Subtotal Support			0	0		0		9,696		13,228	22,924	
Remarks:												
Subtotal Test & Evaluation			0	0		0		0		0	0	
Remarks:												
CSA Studies, Analyses, and Evaluation	WX	Various	0	0		0		250		400	650	
Subtotal Management			0	0		0		250		400	650	
Remarks:												
Total Cost			0	0		0		9,946		13,628	23,574	

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