

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605152N

PROGRAM ELEMENT TITLE: Studies and Analysis Support, Navy

(U) COST: (Dollars in Thousands)

Project Number & Title	FY 2000 ACTUAL	FY 2001 ESTIMATE	FY 2002 ESTIMATE
L2097 Manpower, Personnel, and Training	230	232	294
R0132 CNO Program Analysis and Evaluation	104	111	-
R0133 National Academy of Sciences/Naval Studies Board	1,965	1,801	2,108
R0147 Operational Strategic and Tactical Effectiveness Analysis	159	169	-
S2233 Naval Surface Warfare Studies	1,517	1,474	1,550
S2354 Expeditionary Warfare Studies	361	374	474
W2092 Naval Aviation Studies	1,778	1,836	2,253
TOTAL	6,114	5,997	6,679

(U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This program provides analytical support to the Secretary of the Navy and the Chief of Naval Operations as a basis for major policy, planning and acquisition program execution decisions. It supports research and development strategy development and planning. It supports studies in the areas of manpower, personnel, training, and aviation. It also develops analytical tools for evaluating effectiveness of U.S. weapons against potential foreign threat ships and submarines.

(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under RDT&E MANAGEMENT SUPPORT because it supports the operations and installations required for general research and development use.

R-1 Line Item 154

UNCLASSIFIED

Budget Item Justification
(Exhibit R-2, Page 1 of 14)

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605152N

PROGRAM ELEMENT TITLE: Studies and Analysis Support, Navy

(U) PROGRAM CHANGE FOR TOTAL PE:

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
(U) FY 2001 President's Budget:	5,996	8,056	7,481
Program Adjustment			-796
Congressional Recission	-23	-43	
Congressional Reduction		-2016	
NWCF Adjustment			-15
Inflation Adjustment			+9
SBIR	-218		
Execution Adjustment	+359		
(U) FY 2002 President's Budget Submission:	6,114	5,997	6,679

(U) CHANGE SUMMARY EXPLANATION:

(U) Schedule: Not applicable.

(U) Technical: Not applicable.

R-1 Line Item 154

UNCLASSIFIED

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605152N

PROGRAM ELEMENT TITLE: Studies and Analysis Support, Navy

(U) COST: (Dollars in Thousands)

Project Number & Title	FY 2000 ACTUAL	FY 2001 ESTIMATE	FY 2002 ESTIMATE
L2097 Studies and Analysis Support, Navy	230	232	294

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Chief of Naval Personnel has an ongoing need for direct analyses of Navy manpower and personnel (MP) policies and program planning. This project provides an essential management tool to: (a) assess the effectiveness of existing MP policies and programs, (b) identify needs for new policies and programs, (c) determine the required manpower and training mix relative to changing demographic, societal and legislative/regulatory trends, and to evolving strategic and geopolitical factors, (d) study the impact of MP programs on Navy accession, retention, and performance, and (e) develop, validate and/or refine a broad range of MP forecasting models. The program permits Navy to more effectively utilize Research and Development expertise to respond to emergent Manpower and Personnel Training issues.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U) FY 2000 ACCOMPLISHMENTS:

- (U)(\$78) Conducted an Officer Career Path and Requirements Study of the Un-Restricted Line (URL) force structure.
- (U)(\$67) Developed a Performance Evaluation System for Personnel Accounting of Inventory and Navy Enlisted Classification (NEC) Reutilization.
- (U)(\$45) Conducted a Cost of Doing Business Study; assess proper accounting of personnel in Individuals Account.
- (U)(\$40) Designed a Recruiter Incentive System to Enhance Recruiter Productivity.

R-1 Line Item 154

UNCLASSIFIED

Budget Item Justification
(Exhibit R-2, Page 3 of 14)

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: JULY 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605152N

PROJECT NUMBER: L2097

PROGRAM ELEMENT TITLE: Studies and Analysis
Support, Navy

PROJECT TITLE: Manpower, Personnel,
and Training

2. (U) FY 2001 PLAN:

- (U) (\$33) Expand Navy Gender Specific Enlisted Accession Model.
- (U) (\$93) Navy Manning Plan for Officers (NMPO) Model.
- (U) (\$65) Evaluating Navy Counseling & Advocacy Programs: Relating Programs to Readiness and Retention.
- (U) (\$35) General Educational Development (GED) Screening Pilot Study (for Non-High School Diploma Graduate 1st term Attrition.
- (U) (\$6) Small Business Innovative Research (SBIR) Program.

3. (U) FY 2002 PLAN:

- (U) (\$64) Complete GED Screening Pilot Study begun in FY 2001. Collect and analyze information and data obtained from state GED files and from completed questionnaires at the MEPS. Identify and evaluate procedures to broaden recruiting base and to reduce 1st Attrition.
- (U) (\$90) Develop a requirements-based Selective Reenlistment Bonus (SRB) Model.
- (U) (\$50) Conduct a study of the cost, productivity and readiness impacts of family violence.
- (\$90) Assess reduced manning initiatives on new weapon systems in the systems acquisition process.

B. (U) PROGRAM CHANGE SUMMARY: See Program Change For PE

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

D. (U) SCHEDULE PROFILE: Not applicable.

R-1 Line Item 154

UNCLASSIFIED

Budget Item Justification
(Exhibit R-2, Page 4 of 14)

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: JUNE 2001

BUDGET ACTIVITY: 6 PROGRAM ELEMENT: 0605152N PROJECT NUMBER: R0133
PROGRAM ELEMENT TITLE: Studies and Analysis PROJECT TITLE: National Academy of Science/
Support, Navy Naval Studies Board

(U) COST: (Dollars in Thousands)

Project Number & Title	FY 2000	FY 2001	FY 2002
	ACTUAL	ESTIMATE	ESTIMATE
R0133 National Academy of Science/Naval Studies Board	1,965	1,801	2,108

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This project supports the core program for the Naval Studies Board. As agreed upon between the Chief of Naval Operations (CNO) and the President of the National Academy of Sciences and with appropriate attention to the influence of the domestic economy, national objectives, social imperatives and anticipated military requirement, the Naval Studies Board will conduct and report upon surveys, investigations, and analyses in the field of scientific research and development applicable to the operation and function of the Navy. Reports consist of a briefing to the Assistant Secretary of the Navy (Research Development and Acquisition) (ASN (RD&A)) and the CNO and staff, and written technical reports.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U) FY 2000 ACCOMPLISHMENTS:

- (U) (\$685) Continued research efforts and investigations in areas of interest to the Navy. Continued to support annual Navy authorized activities of importance, such as the National Space Forum and the Weinblum Memorial Lecture Series.
- (U) (\$1,280) Produced investigations of significant importance to the Navy concerning technology of the future, selected from proposals received from CNO and ASN (RD&A). Specifically, concluded the study entitled, "Network-Centric Naval Forces: A Transition Strategy for Enhancing Operational Capabilities." Additionally, two new studies were started, one on Theater Missile Defense and one on Mine Warfare.

R-1 Line Item 154

UNCLASSIFIED

Budget Item Justification
(Exhibit R-2, Page 5 of 14)

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: JUNE 2001

BUDGET ACTIVITY: 6 PROGRAM ELEMENT: 0605152N PROJECT NUMBER: R0133
PROGRAM ELEMENT TITLE: Studies and Analysis PROJECT TITLE: National Academy of Science/
Support, Navy Naval Studies Board

2. (U) FY 2001 PLAN:

- (U) (\$800) Continue research efforts and investigations in areas of interest to the Navy. Continue to support annual Navy authorized activities of importance, such as the National Space Forum and the Weinblum Memorial Lecture Series.
- (U) (\$963) Produce investigations of significant importance to the Navy concerning technology of the future, selected from proposals received from CNO and ASN (RD&A). Specifically, two studies will be concluded, one on Theater Missile Defense and one on Mine Warfare. Additionally, at least one new study, on chemical/biological warfare, will be started.
- (U) (\$38) Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.

3. (U) FY 2002 PLAN:

- (U) (\$800) Continue research efforts and investigations in areas of interest to the Navy. Continue to support annual Navy authorized activities of importance, such as the National Space Forum and the Weinblum Memorial Lecture Series.
- (U) (\$1,308) Produce investigations of significant importance to the Navy concerning technology of the future, selected from proposals received from CNO and ASN (RD&A). New studies will be authorized by CNO (N091 and N81) during the Spring/Summer of FY 2001.

B. (U) PROGRAM CHANGE SUMMARY: See Program Change Total for PE

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

D. (U) ACQUISITION STRATEGY: Not applicable.

E. (U) SCHEDULE PROFILE: Not applicable.

R-1 Line Item 154

UNCLASSIFIED

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: JUNE 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605152N

PROGRAM ELEMENT TITLE: Studies and Analysis Support, Navy

(U) COST: (Dollars in Millions)

Project Number & Title	FY 2000 ACTUAL	FY 2001 ESTIMATE	FY 2002 ESTIMATE
------------------------	-------------------	---------------------	---------------------

S2233 Naval Surface Warfare Studies

	1,517	1,474	1,550
--	-------	-------	-------

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This project provides for analysis of the warfighting capability of Naval forces by examining specific selected numbers and mixes of surface combatants and other forces that are subjected to representative operational situations in a joint littoral environment. The U.S. strategic emphasis has shifted from global containment and warfighting to a global engagement and deference strategy with regional focus. As part of an overall effort at addressing future Naval force levels and capabilities, the Navy must assess the warfighting effectiveness of new operating concepts using different mixes of surface combatants operating in a littoral warfare environment and develop an investment strategy that supports the capabilities required. Required Operational Capabilities/Projected Operational Environment (ROC/POE) must be updated every two years or created for new ship classes. These ROC/POE's are vitally important in that mission requirements for ships drive equipment configurations, manning levels and associated shipboard accommodations, tailor ship and staff missions, capabilities, manning to new strategies, tactics, operational environments, and policies.

R-1 Line Item 154

UNCLASSIFIED

Budget Item Justification
(Exhibit R-2, Page 7 of 14)

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: JUNE 2001

BUDGET ACTIVITY: 6 PROGRAM ELEMENT: 0605152N PROJECT NUMBER: S2233
PROGRAM ELEMENT TITLE: Studies and Analysis PROJECT TITLE: Naval Surface
Support, Navy Warfare Studies

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U) FY 2000 ACCOMPLISHMENTS:

- (U) (\$1,517) Continued analyses to identify force capabilities considering various force mixes. These studies addressed the warfighting and strategy requirements for effective, flexible and cost-effective Naval Surface Warfare Forces focused on the challenge of continuous operations in the littoral regions. These studies will support the Quadrennial Defense Review (QDR) which is a major DoD effort to review requirements, analyses, and assumptions that underpin force structure within DoD. Measures of Effectiveness were used in characterizing Naval Surface Warfare capabilities for theater air dominance and precision land attack undergirded by maritime dominance. The results were applied to campaign scenarios and operational situations to scope, focus and interpret the analyses. The results were applied to strategic planning and investment strategies for future Joint Littoral Warfare Naval Forces and directly support the DoN Assessment process. Revised ROC/POE instructions. Obligations initiated October 1999 and were completed September 2000.

2. (U) FY 2001 PLAN:

- (U) (\$1,445) Continue analyses to identify force capabilities considering various force mixes. These studies will address the warfighting and strategy requirements for effective, flexible and cost-effective Naval Surface Warfare Forces focused on the challenge of continuous operations in the littoral regions. These studies will support the Quadrennial Defense Review (QDR) which is a major DoD effort to review requirements, analyses, and assumptions that underpin force structure within DoD. Measures of Effectiveness will be used in characterizing Naval Surface Warfare capabilities for theater air dominance and precision land attack undergirded by maritime dominance. The results will be applied to campaign scenarios and operational situations to scope, focus and interpret the analyses. The results of these analyses will be applied to strategic planning and investment strategies for future Joint Littoral Warfare Naval Forces and directly support the DoN Assessment process. Revise ROC/POE instructions. Obligations initiated October 2000 will be complete in September 2001.
- (U) (\$29) Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.

R-1 Line Item 154

UNCLASSIFIED

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: JUNE 2001

BUDGET ACTIVITY: 6 PROGRAM ELEMENT: 0605152N PROJECT NUMBER: S2233
PROGRAM ELEMENT TITLE: Studies and Analysis PROJECT TITLE: Naval Surface
Support, Navy Warfare Studies

3. (U) FY 2002 PLAN:

- (U) (\$1,550) Continue analyses to identify force capabilities considering various force mixes. These studies will address the warfighting and strategy requirements for effective, flexible and cost-effective Naval Surface Warfare Forces focused on the challenge of continuous operations in the littoral regions. These studies will support the Quadrennial Defense Review (QDR) which is a major DoD effort to review requirements, analyses, and assumptions that underpin force structure within DoD. Measures of Effectiveness will be used in characterizing Naval Surface Warfare capabilities for theater air dominance and precision land attack undergirded by maritime dominance. The results will be applied to campaign scenarios and operational situations to scope, focus and interpret the analyses. The results of these analyses will be applied to strategic planning and investment strategies for future Joint Littoral Warfare Naval Forces and directly support the DoN Assessment process. Revise ROC/POE instructions. Obligations will initiate October 2001 and complete September 2002.

B. (U) PROGRAM CHANGE SUMMARY: See Program Change Total For PE

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

D. (U) ACQUISITION STRATEGY: Not Applicable

R-1 Line Item 154

UNCLASSIFIED

Budget Item Justification
(Exhibit R-2, Page 9 of 14)

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: JUNE 2001

BUDGET ACTIVITY: 6 PROGRAM ELEMENT: 0605152N PROJECT NUMBER: S2354
PROGRAM ELEMENT TITLE: Studies and Analysis PROJECT TITLE: Expeditionary Warfare Studies
Support, Navy

(U) COST: (Dollars in Millions)

Project Number & Title	FY 2000 ACTUAL	FY 2001 ESTIMATE	FY 2002 ESTIMATE
S2354 Expeditionary Warfare Studies	361	374	474

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This project provides for analysis of the warfighting capability of Expeditionary forces, with emphasis on the joint littoral environment, by examining specific selected numbers and mixes of amphibious combatants, mine warfare forces and other forces that are subjected to represent operational situations in a joint littoral environment. The U.S. strategic emphasis has shifted from global containment and warfighting to a global engagement and deference strategy with regional focus. As part of an overall effort at addressing future Naval force levels and capabilities, the Navy must assess the warfighting effectiveness of new operational concepts using different mixes of expeditionary combatants operating in a littoral warfare environment and develop an investment strategy that supports the capabilities required.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U) FY 2000 ACCOMPLISHMENTS:

- (U) (\$361) Initiated efforts for dedicated analyses of Expeditionary Warfare Studies. Continued analysis to identify force capabilities considering various force mixes. These studies addressed the warfighting and national security policy and strategy requirements for effective, flexible and cost-efficient Naval Expeditionary Warfare Forces, including the numbers and mixes of expeditionary combatants, to include mine warfare forces and other forces that were subjected to represent operational situations in a joint littoral environment. Measures of Effectiveness were used in characterizing Naval Expeditionary Warfare applied to strategic planning and investment strategies for future Joint Littoral Warfare Naval Forces. Obligations initiated in October 1999 and will be complete in September 2000.

R-1 Line Item 154

UNCLASSIFIED

Budget Item Justification
(Exhibit R-2, Page 10 of 14)

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: JUNE 2001

BUDGET ACTIVITY: 6 PROGRAM ELEMENT: 0605152N PROJECT NUMBER: S2354
PROGRAM ELEMENT TITLE: Studies and Analysis PROJECT TITLE: Expeditionary Warfare Studies
Support, Navy

2. (U) FY 2001 PLANS:

- (U) (\$368) Continue analysis to identify force capabilities considering various force mixes. These studies will address the warfighting and national security policy and strategy requirements for effective, flexible and cost-efficient Naval Expeditionary Warfare Forces, including the numbers and mixes of expeditionary combatants, to include mine warfare forces and other forces that are subjected to represent operational situations in a joint littoral environment. Measures of Effectiveness will be used in characterizing Naval Expeditionary Warfare applied to strategic planning and investment strategies for future Joint Littoral Warfare Naval Forces. Obligations will initiate in October 2000 and complete in September 2001.
- (U) (\$6) Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.

3. (U) FY 2002 PLANS:

- (U) (\$471) Continue analysis to identify force capabilities considering various force mixes. These studies will address the warfighting and national security policy and strategy requirements for effective, flexible and cost-efficient Naval Expeditionary Warfare Forces, including the numbers and mixes of expeditionary combatants, to include mine warfare forces and other forces that are subjected to represent operational situations in a joint littoral environment. Measures of Effectiveness will be used in characterizing Naval Expeditionary Warfare applied to strategic planning and investment strategies for future Joint Littoral Warfare Naval Forces. Obligations will initiate in October 2001 and complete in September 2002.

B. (U) PROGRAM CHANGE SUMMARY: See Program Change Total For PE

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

D. (U) ACQUISITION STRATEGY: Not Applicable

R-1 Line Item 154

UNCLASSIFIED

Budget Item Justification
(Exhibit R-2, Page 11 of 14)

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: JUNE 2001

BUDGET ACTIVITY: 6 PROGRAM ELEMENT: 0605152N PROJECT NUMBER: W2092
PROGRAM ELEMENT TITLE: Studies and Analysis PROJECT TITLE: Naval Aviation Studies
Support, Navy

(U) COST: (Dollars in Thousands)

Project Number & Title	FY 2000	FY 2001	FY 2002
	ACTUAL	ESTIMATE	ESTIMATE
W2092 Naval Aviation Studies			
	1,778	1,836	2,253

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This project supports studies over a wide range of naval aviation issues that support the ongoing Joint Strike Assessment (JSA) guidelines. Results provide a basis for recommendations to the Chief of Naval Operations concerning major policy, planning, and acquisition program decisions. This effort is a management initiative, which will allow allocation of study resources in a timely manner according to priorities. This ongoing program will continue to leverage more detailed program specific analysis in order to gain insight in acquisition of various weapon systems and their impact on force structure, manning levels, operational readiness and Carrier Air Wing effectiveness. This program will also support various Analysis of Alternatives (AOA) Studies.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U) FY 2000 ACCOMPLISHMENTS:

- (U) (\$216) Initiated a naval aviation developmental plan that will provide for the future operational capabilities required to support network centric warfare.
- (U) (\$499) Conducted the initial studies to explore the potential utilization of high speed weapons with initial operating capability in FY 2010 to FY 2015.
- (U) (\$500) Continued studies to support JSA issues for the current and follow-on cycle.

R-1 Line Item 154

UNCLASSIFIED

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: JUNE 2001

BUDGET ACTIVITY: 6 PROGRAM ELEMENT: 0605152N PROJECT NUMBER: W2092
PROGRAM ELEMENT TITLE: Studies and Analysis PROJECT TITLE: Naval Aviation Studies
Support, Navy

- (U) (\$200) Began studies to evaluate concepts of operations for strike missions.
- (U) (\$363) Provided support for general aviation related AOAs and studies with NAVAIR and OPNAV.

2. (U) FY 2001 PLAN:

- (U) (\$250) Continue efforts to support operational analysis for network centric warfare.
- (U) (\$300) Continue studies to support JSA issues for the current and follow-on cycle.
- (U) (\$350) Develop techniques for analysis of naval aviation warfare requirements versus current system capabilities.
- (U) (\$300) Expand the studies to evaluate future concepts for strike concepts of operations.
- (U) (\$240) Continue the studies to investigate alternatives for advanced weapon initiatives.
- (U) (\$375) Provide support with general aviation related AOAs and studies with NAVAIR and OPNAV.
- (U) (\$ 21) Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 68.

4. (U) FY 2002 PLAN:

- (U) (\$300) Continue a low level, multi-year effort to develop a consistent methodology to quantify and estimate future network centric warfare effectiveness.
- (U) (\$350) Continue studies to support JSA issues for POM-04.

R-1 Line Item 154

UNCLASSIFIED

UNCLASSIFIED

FY 2002 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: JUNE 2001

BUDGET ACTIVITY: 6 PROGRAM ELEMENT: 0605152N PROJECT NUMBER: W2092
PROGRAM ELEMENT TITLE: Studies and Analysis PROJECT TITLE: Naval Aviation Studies
Support, Navy

- (U) (\$367) Resume limited Carrier Air Wing(CVW) capabilities analysis effort.
- (U) (\$380) Continue studies to evaluate concepts of operations for strike missions.
- (U) (\$400) Continue studies to explore alternatives for Advanced Weapons Initiatives.
- (U) (\$456) Provide support for general aviation related AOAs and studies within NAVAIR and OPNAV.

B. (U) PROGRAM CHANGE SUMMARY: See Program Change Total For PE

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

D. (U) ACQUISITION STRATEGY: Not Applicable

E. (U) SCHEDULE PROFILE: Not Applicable

R-1 Line Item 154

UNCLASSIFIED

Budget Item Justification
(Exhibit R-2, Page 14 of 14)