

UNCLASSIFIED

EXHIBIT R-2, RDT&E, N FY 2002 BUDGET ITEM JUSTIFICATION

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605853N

PROGRAM ELEMENT TITLE: Management, Technical and International Support

(U) COST: (Dollars in Thousands)

PROJECT NUMBER & TITLE	FY 2000 ACTUAL	FY 2001 BUDGET	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	FY 2006 ESTIMATE	FY 2007 ESTIMATE	TO COMPLETE	TOTAL PROGRAM
Q3039 CHENG	0	0	3,006						CONT.	CONT.
R0149 International Cooperative RDT&E	1,760	1,943	2,018						CONT.	CONT.
R1767 Naval War College/Center for Naval Warfare Studies	2,247	2,540	3,084						CONT.	CONT.
X2221 Assessment Program	12,638	12,998	13,520						CONT.	CONT.
W2347 Test and Evaluation Modeling and Simulation	1	0	0							.001
TOTAL:	16,646	17,481	21,628						CONT.	CONT.

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This Program Element (PE) provides management and technical support for several national and international projects:

(U) Project Q3039 The ASN (RDA) Chief Engineer (RDA CHENG) provides senior leadership and focus within the acquisition structure on integration and interoperability across all Navy and Marine Corps PEOs, DRPMs, PMs and SYSCOMS. RDA CHENG is the senior technical authority within the acquisition community for the overall architecture and integration and interoperability of current and future combat, weapons, and command, control, communications, computer and intelligence (C4I) systems used by the DoN. These include Navy and Marine Corps fighting units (ships, aircraft, submarines, land craft and amphibious vehicles, land-based systems, and spacecraft) and the integrating C4ISR systems that form naval warfare systems. This program assures that component systems are engineered and implemented to operate coherently with other

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PROGRAM ELEMENT: 0605853N

PROGRAM ELEMENT TITLE: Management, Technical and International Support

systems as part of a larger force by capturing systems relationships and promulgating them in the form of system and technical architectures, standards, protocols, and other related processes.

This program includes: leading the functional design for combat and C4I system functions with respect to the overall warfare operational architectures; approval of system level interface specifications for all referenced systems; assessing and approving interface changes that impact interoperability prior to fleet introduction; assuring that individual programs adhere to the resulting configuration; providing centralized Naval input to OUSD (S&T) on matters related to Software Intensive Systems; and recommending investment decisions and program priorities to ASN (RDA) and the appropriate service chief concerning fielding systems in balance with their legacy and planned future counterparts.

Additionally, this program includes the Naval Collaborative Engineering Environment (NCEE) development to enable efficient and interactive integration and interoperability engineering design and implementation throughout the Naval acquisition community. The NCEE enables family-of-systems collaboration and distributed engineering by networking Department of the Navy laboratory capabilities and test facilities to support information sharing and decision analysis, interactive analysis of system design alternatives, and data management and configuration control of approved integration and interoperability force architecture and system engineering products.

(U) Project R0149 provides program management, execution, and support to implement a broad range of cooperative naval research and development (R&D) initiatives with allied and friendly nations. Potential cooperative programs are pursued to fulfill established operational requirements, enhance U.S./allied interoperability and standardization, obtain unique foreign technologies, and reduce U.S. developmental and production costs.

(U) Project R1767 provides funding for Naval War College (NWC) research activities, which serve as a focal point, stimulus, and major source of strategic and campaign thought within the Navy. These efforts generate strategy and campaign alternatives, provide for evaluation through war-gaming methodologies, and provide recommendations to the Chief of Naval Operations (CNO) and fleet commanders regarding the formulation and execution of strategy.

(U) Project X2221 provides analytical and management support for the Planning/Assessment process. This project supports the development of annual Integrated Warfare Architectures (IWARS)/Chief of Naval Operations Program Assessment Memorandum (CPAM)/Joint Warfighting Capability assessments which provide the

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PROGRAM ELEMENT: 0605853N

PROGRAM ELEMENT TITLE: Management, Technical and International Support

analytical underpinnings and basis for programmatic decisions made by the Navy's top leadership regarding integration of Navy warfare/support requirements.

(U) Project W2347 This project has been reduced based on higher Navy reprioritization requirements in FY2001 and outyears. This project enhances the Test and Evaluation (T&E) efforts of the Navy by providing policy, coordination, and technical support for the Modeling and Simulation (M&S) program. The mission is to promote and standardize modeling and simulation for interoperability and re-use within and between programs and across the Research Development Test and Evaluation community.) Test and Evaluation Modeling and Simulation (TEMS) is required to reduce the cost, schedule, and risk of acquisition programs by supporting the early integration of M&S capabilities into the T&E process.

(U) PROGRAM CHANGE SUMMARY: FY 2000: SBIR Assessment (-\$316K), Federal Technology (-\$13K), Mid-Year Review Adjustment (+\$323K), Miscellaneous Navy Adjustment (-\$426K), Section 8055 Congressional Proportionate Rescission (-\$76K); FY2001: Section 8086 .7% Pro-Rated Reduction (\$-124K), Government Wide Rescission (-\$39K).

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EXHIBIT R-2A, RDT&E, N FY 2002 BUDGET ITEM JUSTIFICATION (PROJECT)

BUDGET ACTIVITY: 6	PROGRAM ELEMENT: 0605853N	PROJECT NUMBER: Q3039	DATE: June 2001
	PROGRAM ELEMENT TITLE: Management, Technical and International Support	PROJECT TITLE: CHENG	

(U) COST: (Dollars in thousands)

PROJECT NUMBER & TITLE	FY 2000 ACTUAL	FY 2001 BUDGET	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	FY 2006 ESTIMATE	FY 2007 ESTIMATE	TO COMPLETE	TOTAL PROGRAM
Q3039 CHENG	0	0	3,006						CONT.	CONT.

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The ASN (RDA) Chief Engineer (RDA CHENG) provides senior leadership and focus within the acquisition structure on integration and interoperability across all Navy and Marine Corps PEOs, DRPMs, PMs and SYSCOMS. RDA CHENG is the senior technical authority within the acquisition community for the overall architecture and integration and interoperability of current and future combat, weapons, and command, control, communications, computer and intelligence (C4I) systems used by the DoN. These include Navy and Marine Corps fighting units (ships, aircraft, submarines, land craft and amphibious vehicles, land-based systems, and spacecraft) and the integrating C4ISR systems that form naval warfare systems. This program assures that component systems are engineered and implemented to operate coherently with other systems as part of a larger force by capturing systems relationships and promulgating them in the form of system and technical architectures, standards, protocols, and other related processes.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U) FY 2000 ACCOMPLISHMENTS: N/A
2. (U) FY 2001 PLANS: N/A
3. (U) FY 2002 PLAN:
 - (U) (\$1,400) Architecture Development-Develop architecture assessments and benchmarks for system architecture products developed in FY 00 and 01. These assessments and benchmarks will be part of the overall Naval process to implement interoperability and will be input to assessments of alternatives that will enable a viable investment strategy for procuring Naval Systems.

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EXHIBIT R-2A, RDT&E, N FY 2002 BUDGET ITEM JUSTIFICATION (PROJECT)

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605853N

PROGRAM ELEMENT TITLE: Management, Technical and International Support

PROJECT NUMBER: Q3039

DATE: June 2001

PROJECT TITLE: CHENG

- (U) (\$1,000) Large Scale Systems Engineering Processes-Initiate development of the Knowledge Base required to support interoperability and integration risk assessment and operational analysis of acquisition programs that support the Naval Fires portion of the Power Projection mission area. This Knowledge Base will include a working definition of Interoperability metrics and the operational analysis processes to relate these metrics and the operational analysis processes to relate these metrics to warfighting costs and operational performance.
- (U) (\$606) Naval Collaborative Engineering Environment (NCEE)-Integrate the architecting and systems engineering tools with distributed modeling and simulation capabilities across the labs. Integrate access to key data bases required to perform architecture development and systems analysis.

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

C. (U) OTHER PROGRAM FUNDING SUMARY: (Dollars in Thousands)

TITLE	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
O&M, N	9,432	19,622	13,743					

D. (U) ACQUISITION STRATEGY: Not Applicable

E. (U) SCHEDULE PROFILE: Not Applicable.

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EXHIBIT R-3, FY 2002 RDT&E, N PROJECT COST ANALYSIS

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605853N

PROJECT NUMBER: Q3039

PROGRAM ELEMENT TITLE: Management, Technical and International Support

PROJECT TITLE: CHENG

Exhibit R-3 Cost Analysis (page 1)									Date: May 2001			
APPROPRIATION/BUDGET ACTIVITY 1319/BA 6				PROGRAM ELEMENT: 0605853N					PROJECT NAME AND NUMBER: CHENG/Q3039			
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY01 Cost	FY01 Award Date	FY02 Cost	FY02 Award Date	FY03 Cost	FY03 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Architecture Definition	WR	NSWC/DD	0	0		356	10/01			Cont	Cont	Cont
Architecture Definition	RCP	CNO/C N A	0	0		250	11/01			Cont	Cont	Cont
Architecture Definition	MIPR	MIT/LL	0	0		250	11/01			Cont	Cont	Cont
Architecture Definition	Contract	JHU/APL	0	0		350	11/01			Cont	Cont	Cont
Architecture Definition	Contract	SAIC	0	0		100	11/01			Cont	Cont	Cont
Architecture Definition	Contract	LOGICON	0	0		100	11/01			Cont	Cont	Cont
Large Scale Engineering	Contract	JHU/APL	0	0		300	11/01					
Large Scale Engineering	WR	NAWC/CL	0	0		300	10/01					
Large Scale Engineering	WR	NSWC/DD	0	0		200	10/01					
Large Scale Engineering	RCP	CNO/C N A	0	0		200	11/01					
Naval Collaborative Eng Eviron	WR	NSWC/DD	0	0		120	10/01					
Naval Collaborative Eng Eviron	WR	NUWC/N	0	0		120	10/01					
Naval Collaborative Eng Eviron	WR	NAWC/CL	0	0		120	10/01					
Naval Collaborative Eng Eviron	Contract	JHU/APL	0	0		120	11/01					
Naval Collaborative Eng Eviron	WR	SPAWAR SSC – Charleston	0	0		120	10/01					
Subtotal Product Development			0	0		3,006				Cont	Cont	Cont
Remarks :												
Total Cost			0	0		3,006				Cont	Cont	Cont

R-1 Shopping List – Item No 156-6 of 156-15

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Exhibit R-3, RDT&E Project Cost Analysis (Q3039)

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EXHIBIT R-2a, RDT&E, N FY 2002 BUDGET ITEM JUSTIFICATION (PROJECT)

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605853N

PROJECT NUMBER: R0149

PROGRAM ELEMENT TITLE: Management, Technical and International Support

PROJECT TITLE: international Coop RDT&E

(U) COST: (Dollars in thousands)

PROJECT NUMBER & TITLE	FY 2000 ACTUAL	FY 2001 BUDGET	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	FY 2006 ESTIMATE	FY 2007 ESTIMATE	TO COMPLETE	TOTAL PROGRAM
R0149	International Coop RDT&E 1,760	1,943	2,018						CONT.	CONT.

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This project provides program management, execution, and support to implement a broad range of cooperative naval research and development (R&D) initiatives with allied and friendly nations. Potential cooperative programs are pursued to fulfill established operational requirements, enhance U.S./allied interoperability and standardization, obtain unique foreign technologies, and reduce U.S. developmental and production costs. Such efforts result in:

- (U) Development and negotiation of approximately 25 International RDT&E Agreements annually with allied and friendly nations.
- (U) Execution of over 300-information exchange annexes.
- (U) Participation in armaments cooperation fora including the Conference of NATO Armaments Directors groups (e.g., the NATO Naval Armaments Group), Senior National Representative (SNR) meetings, the Technical Cooperative Program and Scientific Committee National Representatives meetings.
- (U) Participation in the Engineering and Scientist Exchange Program (ESEP).

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

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EXHIBIT R-2a, RDT&E, N FY 2002 BUDGET ITEM JUSTIFICATION (PROJECT)

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605853N

PROGRAM ELEMENT TITLE: Management, Technical and International Support

PROJECT NUMBER: R0149

PROJECT TITLE: international Coop RDT&E

1. (U) FY 2000 ACCOMPLISHMENTS:

- (U) (\$364) Continued to support DoN participation at SNR Conferences with allies for harmonization of requirements and identification of potential collaborative R&D projects.
- (U) (\$692) Continued to support DoN participation in U.S./allied data exchange conferences to identify foreign technologies and R&D projects in which the Navy may desire to collaborate, as well as on-going efforts to initiate/revise/terminate DEAs to target new technologies and expand, where appropriate, to include exchanges with FSU countries.
- (U) (\$601) Continued to update and maintain the DoN data bases for drafting, negotiating, managing and tracking of proposed IAs for "high leverage/high payoff" R&D technology base cooperative projects with key allies and friendly nations. Provided support to Acquisition IPTs in evaluating international cooperative alternatives in development of DON programs as well as support to OSD ICOGs regarding DON requirements and initiatives.
- (U) (\$103) Increased the level of Navy participation in the ESEP at approximately two scientists/engineers. Continued to conduct post-assignment analysis of scientists/engineers to better target assignments with emerging technologies and programs at foreign research establishments.

2. (U) FY 2001 PLAN:

- (U) (\$478) Continue to support DoN participation at SNR Conferences with allies for harmonization of requirements and identification of potential collaborative R&D projects.
- (U) (\$646) Continue to support DoN participation in U.S./allied data exchange conferences to identify foreign technologies and R&D projects in which the Navy may desire to collaborate as well as on-going efforts to initiate/revise/terminate DEAs to target new technologies and expand, where appropriate, to include exchanges with FSU countries.
- (U) (\$644) Continue to update and maintain the DoN data bases for drafting, negotiating, managing and tracking of proposed IAs for "high leverage/high payoff" R&D technology base cooperative projects with key allies and friendly nations. Provide support to Acquisition IPTs in evaluating international cooperative alternatives in development of DON programs as well as support to OSD ICOGs regarding DON requirements and initiatives.
- (U) (\$146) Increase the level of Navy participation in the ESEP at approximately four scientists/engineers. Continue to conduct post-assignment analysis of scientists/engineers to better target assignments with emerging technologies and programs at foreign research establishments.
- (U) (\$29) Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.

3. (U) FY 2002 PLAN:

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EXHIBIT R-2a, RDT&E, N FY 2002 BUDGET ITEM JUSTIFICATION (PROJECT)

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605853N

PROJECT NUMBER: R0149

PROGRAM ELEMENT TITLE: Management, Technical and International Support

PROJECT TITLE: international Coop RDT&E

- (U) (\$494) Continue to support DoN participation at SNR Conferences with allies for harmonization of requirements and identification of potential collaborative R&D projects.
- (U) (\$665) Continue to support DoN participation in U.S./allied data exchange conferences to identify foreign technologies and R&D projects in which the Navy may desire to collaborate as well as on-going efforts to initiate/revise/terminate DEAs to target new technologies and expand, where appropriate, to include exchanges with FSU countries.
- (U) (\$647) Continue to update and maintain the DoN databases for drafting, negotiating, managing, and tracking of proposed IAs for "high leverage/high payoff" R&D technology base cooperative projects with key allies and friendly nations. Provide support to Acquisition IPTs in evaluating international cooperative alternatives in development of DoN programs as well as support to OSD ICOGS regarding DoN requirements and initiatives.
- (U) (\$212) Maintain a level of Navy participation in the ESEP at approximately four scientists/engineers. Continue to conduct post-assignment analysis of scientists/engineers to better target assignments with emerging technologies and programs at foreign research establishments.

(U) Schedule: Not applicable.

(U) Technical: Not applicable.

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

(U) RELATED RDT&E:

- (U) PE 0603790D (Nunn Armaments Cooperation)
- (U) PE 0605130D (Foreign Comparative Testing)
- (U) PE 0603790N (NATO Cooperative Research and Development)

C. (U) SCHEDULE PROFILE: Not applicable

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EXHIBIT R-2a, RDT&E, N FY 2002 BUDGET ITEM JUSTIFICATION (PROJECT)

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605853N

PROGRAM ELEMENT TITLE: Management, Technical and International Support

PROJECT NUMBER: R1767

PROJECT TITLE: Naval War College- Center
For Naval Warfare Studies

(Dollars in thousands)

PROJECT NUMBER & TITLE	FY 2000 ACTUAL	FY 2001 BUDGET	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	FY 2006 ESTIMATE	FY 2007 ESTIMATE	TO COMPLETE	TO COMPLETE
R1767 Naval War College/Center for Naval Warfare Studies										
	2,247	2,540	3,084						CONT.	CONT.

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Naval War College (NWC) research activities serve as a focal point, stimulus, and major source of strategic and campaign thought within the Navy. These efforts generate strategy and campaign alternatives, provide for evaluation through war-gaming methodologies, and provide recommendations to the Chief of Naval Operations (CNO) and fleet commanders regarding the formulation and execution of strategy.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U) FY 2000 ACCOMPLISHMENTS:

- (U) (\$1,556) Conducted strategic studies in response to SECNAV, CNO, UNIFIED, and Fleet CINC tasking in such areas as maritime strategy, decision support, and direct fleet support.
- (U) (\$627) Conducted major war games culminating in Global '99.
- (U) (\$64) Provided for selected NWC students to conduct advanced research projects.

2. (U) FY 2001 PLAN:

- (U) (\$1,600) Conduct strategic studies in response to SECNAV, CNO, UNIFIED, and Fleet CINC tasking in such areas as maritime strategy, decision support, and direct fleet support.
- (U) (\$819) Conduct major war games culminating in annual Global War game, including maintenance of legacy Enhanced Naval War gaming System and preparation for implementation of successor Joint Simulation System-Maritime.
- (U) (\$116) Provide for selected NWC students to conduct advanced research projects, including expanded opportunities for advanced research under the Mahan Scholars program.
- (U) (\$5) Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.

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EXHIBIT R-2a, RDT&E, N FY 2002 BUDGET ITEM JUSTIFICATION (PROJECT)

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605853N

PROGRAM ELEMENT TITLE: Management, Technical and International Support

PROJECT NUMBER: R1767

PROJECT TITLE: Naval War College- Center
For Naval Warfare Studies

3. (U) FY 2002 PLAN:

- (U) (\$1,731) Conduct strategic studies in response to SECNAV, CNO, UNIFIED, and Fleet CINC tasking in such areas as maritime strategy, decision support, and direct fleet support.
- (U) (\$1,235) Conduct major war games culminating in annual Global War game, including maintenance of legacy Enhanced Naval Wargaming System, preparation for implementation of successor Joint Simulation System-Maritime, and implementation of distributed gaming capability for war games and Fleet Battle Experiments.
- (U) (\$118) Provide for selected NWC students to conduct advanced research projects.

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

(U) RELATED RDT&E: Not applicable.

C. (U) SCHEDULE PROFILE: Not applicable.

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EXHIBIT R-2a, RDT&E, N FY 2002 BUDGET ITEM JUSTIFICATION (PROJECT)

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605853N

PROJECT NUMBER: X2221

PROGRAM ELEMENT TITLE: Management, Technical and International Support

PROJECT TITLE: Assessment Program

(U) COST (Dollars in thousands)

PROJECT NUMBER & TITLE	FY 2000 ACTUAL	FY 2001 BUDGET	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	FY 2006 ESTIMATE	FY 2007 ESTIMATE	TO Complete	TOTAL PROGRAM
X2221 Assessment Program										
	12,638	12,998	13,520						CONT.	CONT.

- A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Project X2221, Assessment Program, provides analytical and management support to the Planning segment of the Navy Planning, Programming and Budgeting System (PPBS). This project supports the development of annual Integrated Warfare Architectures (IWARs) and Chief of Naval Operations Program Analysis Memoranda (CPAM) assessments, which provide analytical underpinnings/basis for programmatic decisions of the Navy's top leadership regarding the integration of all Navy warfare and support requirements. This program provides the Navy input to the Vice Chairman Joint Chiefs of Staff (VCJCS) led Joint Warfighting Capability Assessment (JWCA) process. Assessment program develops tools and analytical methodologies that assist in evaluating Navy programs and provides technical leadership for the analysis functional area of Naval Modeling and Simulation.

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EXHIBIT R-2a, RDT&E, N FY 2002 BUDGET ITEM JUSTIFICATION (PROJECT)

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605853N

PROJECT NUMBER: X2221

PROGRAM ELEMENT TITLE: Management, Technical and International Support PROJECT TITLE: Assessment Program

(U) PROGRAM ACCOMPLISHMENTS AND PLAN:

(U) FY 2000 ACCOMPLISHMENTS:

- (U) (\$ 213) Developed updated and maintained detailed level Navy Standard scenarios based on Defense Planning Guidance.
- (U) (\$8,994) Developed Integrated Warfare Architectures (IWARs) and performed assessments and developed the Chief of Naval Operations Program Assessment Memorandum (CPAM). Areas of focus included Air Dominance; Deterrence; Force Structure; Infrastructure; Manpower Readiness; Sea Dominance; Sensor Management/Information Superiority; Sustainment; Technology. Provided Navy input to Joint Warfighting Capabilities Assessment (JWCA) process.
- (U) (\$2,016) Continued to develop and accredit IWAR and CPAM tools and improve analytic methodology.
- (U) (\$1,415) Using the standard simulation and database architecture developed by Navy Modeling and Simulation to re-host legacy models into the new framework, vastly improving the utility of these tools to the assessment process. Developed new tools that utilize models in the standard simulation and database architecture. Coordinated/supported Joint Analytical Model Improvement Program (JAMIP).

1. (U) FY 2001 PLAN:

- (U) (\$212) Develop, update and maintain detailed level Navy Standard scenarios based on Defense Planning Guidance.
- (U) (\$9,032) Develop Integrated Warfare Architectures (IWARs) and perform assessments and develop the Chief of Naval Operations Program Analysis Memoranda (CPAM). Areas of focus include Air Dominance; Deterrence; Force Structure; Infrastructure; Manpower and Personnel; Training and Education; Power Projection; Readiness; Sea Dominance; Sensor Management/Information Superiority; Sustainment; Technology. Provide Navy input to Joint Warfighting Capabilities Assessment (JWCA) process.
- (U) (\$2,062) Continue to develop and accredit IWAR and CPAM tool and improve analytic methodology.
- (U) (\$1,692) Using the standard simulation and database architecture developed by Navy Modeling and Simulation to re-host legacy models into the new framework, vastly improving the utility of these tools to the assessment process. Develop new tools that utilize

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EXHIBIT R-2a, RDT&E, N FY 2002 BUDGET ITEM JUSTIFICATION (PROJECT)

DATE: June 2001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605853N

PROJECT NUMBER: X2221

PROGRAM ELEMENT TITLE: Management, Technical and International Support

PROJECT TITLE: Assessment Program

models in the standard simulation and database architecture. Coordinate/support Joint Analytical Model Improvement Program (JAMIP).

3. (U) FY 2002 PLAN:

- (U) (\$218) Develop, update and maintain detailed level Navy Standard scenarios based on Defense Planning Guidance. Develop of Alternative Scenarios in Support of QDR, Joint Studies, and Navy Resource Analyses.
- (U) (\$9,435) Continued Integrated Warfare Architectures (IWARs) support and perform assessments and develop the Chief of Naval Operations Program Analysis Memoranda (CPAM). Areas of focus include Air Dominance; Deterrence; Force Structure; Infrastructure; Manpower and Personnel; Training and Education; Power Projection; Readiness; Sea Dominance; Sensor Management/Information Superiority; Sustainment; Technology. Provide Navy input to Joint Warfighting Capabilities Assessment (JWCA) and Joint Requirement Oversight Council (JROC) processes.
- (U) (\$2,124) Continue to develop and accredit IWAR and CPAM tool and improve analytic methodology. Continued support for Alternatives of Analysis (AOA) Support and Oversight. Support for the Chairman's Program Recommendation (CPR) and Chairman's Program Assessment (CPA).
- (U) (\$1,743) Using the standard simulation and database architecture developed by Navy Modeling and Simulation to re-host legacy models into the new framework, vastly improving the utility of these tools to the assessment process. Continue to develop new tools that utilize models in the standard simulation and database architecture. Coordinate/support Joint Analytical Model Improvement Program (JAMIP).

B. (U) Other Program Funding Summary: Not Applicable

C. (U) Acquisition Strategy: Not Applicable

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EXHIBIT R-2a, RDT&E, N FY 2002 BUDGET ITEM JUSTIFICATION (PROJECT)

DATE: June 20001

BUDGET ACTIVITY: 6

PROGRAM ELEMENT: 0605853N

PROGRAM ELEMENT TITLE: Management, Technical & International Support

PROJECT NUMBER W2347

PROJECT TITLE: Test & Evaluation
Modeling & Simulations

(U) COST: (Dollars in Thousands)

PROJECT NUMBER & TITLE	FY 2000 Actual	FY 2001 BUDGET	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	FY2006 ESTIMATE	FY 2007 ESTIMATE	TO COMPLETE	TOTAL PROGRAM
W2347 Test and Evaluation Modeling and Simulation	0	1	0							1

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This project funding has been reduced based on higher Navy reprioritization requirements in FY2001 and out years. This project enhances the Test and Evaluation (T&E) efforts of the Navy by providing policy, coordination, and technical support for the Modeling and Simulation (M&S) program. The mission is to promote and standardize modeling and simulation for interoperability and re-use within and between programs and across the Research Development Test and Evaluation community. This also provides funds to incrementally establish the Joint Synthetic Test and Evaluation Battle space (JSTEB) Joint Operational Requirements document. Test and Evaluation Modeling and Simulation (TEMS) is required to reduce the cost, schedule, and risk of acquisition programs by supporting the early integration of M&S capabilities into the T&E process.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

(U) FY 2000 ACCOMPLISHMENTS:

(U) (\$1) Provide minimum technical support to the Navy acquisition community using T&E modeling and simulation resources.

B. (U) OTHER PROGRAM FUNDS SUMMARY: Not available

Related RDT&E

(U) P.E. 0604759N: Major T&E Investment

(U) P.E. 0605864N: Test and Evaluation Support

C (U) ACQUISITION STRATEGY: Not Applicable

D. (U) SCHEDULE PROFILE: Not Applicable