

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: <b>February 2005</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY / BA-6</b>					R-1 ITEM NOMENCLATURE 0605853N/Management, Technical and International Support			
COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total PE Cost	29.992	30.692	44.847	45.438	47.171	47.392	48.442	49.548
3039 CHENG	11.982	11.123	15.610	16.029	16.996	16.630	17.024	17.480
0149 International Cooperative RDT&E	1.785	1.646	1.723	1.787	1.866	1.924	1.985	2.046
9263 Combating Terrorism Wargaming Research	1.223	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1767 Naval War College/Center for Naval Warfare Studies	2.964	2.353	3.311	3.276	3.420	3.500	3.540	3.609
3025 Capital Asset Management System	0	4.012	2.038	1.600	1.628	1.630	1.666	1.705
2221 Assessment Program	12.038	11.558	22.165	22.746	23.261	23.708	24.227	24.708
<b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b> Project 3039 funds the Assistant Secretary of the Navy for Research, Development and Acquisition, ASN RD&A Chief Engineer (RDA CHENG) to develop and implement architecture-based systems engineering processes, methods and tools that assure integrated and interoperable systems are delivered to the fleet. This project provides the mission-oriented technical basis for implementing capability-based acquisition management within the Department of Navy to engineer and field Navy and Marine Corps combat systems, weapon systems, and command, control, communication, computer and intelligence (C4I) programs that must operate as a family-of-systems (FoS) or system-of-systems (SoS) acquisition programs and systems. The focus of this project is on identifying the functions, relationships, and connections between systems at both the force and unit level and across warfare mission areas, and encompasses four key elements: System and Technical Architectures and Interoperability Assessments to provide the framework for making engineering decisions by warfighting capability at the FoS/SoS level, and to establish acquisition portfolios that deliver that capability based on the integration and interoperability requirements. Large-Scale Systems Engineering processes and system engineering integrated product teams are established to support consistent engineering and investment decision-making across Navy and Marine Corps programs within capability-based acquisition portfolios. Naval Collaborative Engineering Environment development and implementation as a DoN enterprise resource where all ASN (RDA) CHENG integration and interoperability information will be managed electronically to enable collaboration and decision support among Fleet organizations, Program Executive Offices, Program Managers, Systems Commands, prime contractors, Resource/Warfare Sponsors and Comptroller organizations. DoN Standards, Policies and Guidelines engineering and technical staff that recommend integration and interoperability policies and standards mandated by Joint and OSD initiatives and DoN acquisition requirements including leadership in the implementation of Anti-Tamper, software engineering and technical data standards. RDA CHENG was transferred to the Assistant for Administration to the Under Secretary of the Navy (AAUSN) starting in FY 2004.  Project 0149 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.  Project 1767 , Naval War College (NWC) research, analysis and gaming activities serve as a focal point, stimulus, and major source of strategic and operational thought within the Navy, Joint and Interagency communities. These efforts generate strategic and operational alternatives, quantitative analysis, and political military assessments, and provide recommendations to the Chief of Naval Operations (CNO) and Fleet Commanders regarding the formulation and execution of options for the President of the United States.								

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<p><b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION (Cont.):</b></p> <p>Project 9263, Combating Terrorism Wargaming Research: The Naval War College, Newport, RI will conduct a series of wargames and research projects to identify potential terrorist threats and develop scenarios to counter those threats.</p> <p>Project 2221, Assessment Program, provides capability based planning assessment for Joint Capabilities Integration and Development System (JCIDS), conducts analysis to affect warfighting capability trades and enterprise resources, identify needs, gaps, and overlaps, and assess Alternative solutions to Joint needs. Manages Office of the Chief of Naval Operations (OPNAV) support to Office of the Secretary of Defense (OSD)/Navy's analytic Agenda. Provides overarching Planning, Programming and Budgeting System (PPBS) Analyses and Guidance Planning, Programming and Budgeting Execution (PPBE) with N80 and provides Gap analysis and Investment Strategy (Total Obligational Authority (TOA) allocation). Provides independent capability analysis directly to Chief of Naval Operations (CNO) and assists in structuring follow-on Office of the Chief of Naval Operations (OPNAV) analyses. The program coordinates Navy's position for the Enhanced Planning Process and conducts Net Assessments. This program serves as the lead campaign analysis for Office of the Chief of Naval Operations (OPNAV) and supports Concept of Operations (CONOPS) analysis and Chief of Naval Operations Investment Strategy assessments, all of which prove analytical underpinnings/basis for programmatic decisions of the Navy's top leadership regarding the integration of all Navy warfare and support requirements. This program is dual-hatted as the head of CNO's Capability Analysis Group (N00X) and serves the CNO directly as an independent assessor providing a broad-view perspective across the Navy staff apart from resource sponsors, with an integrated look at both warfighting and warfighting support programs. Provides the CNO alternatives in assessing the implications imbedded within resource decisions in a quantified context of costs versus capability versus risk. This program provides independent analytic support to Navy leadership in conjunction with various executive level decision forums. The 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.</p> <p>Project 3025, This project supports the RDT&amp;E,N and Office of Naval Research (ONR) portion of the larger DoD and Navy-wide effort to implement the Financial Improvement Plan (FIP). Corrective actions required to resolve known deficiencies and determine resource requirements (people and systems) have been identified. Funding beyond FY 2007 is for the sustainment of the clean and auditable statements for RDT&amp;E,N/ONR.</p>		

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ATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME				PROJECT NUMBER AND NAME			
<b>RDT&amp;E, N /</b>	<b>BA-6</b>	0605853N/Management, Technical and International Support			3039 CHENG			
COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Project Cost	11.982	11.123	15.610	16.029	16.996	16.630	17.024	17.480
RDT&E Articles Qty								

### A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Project 3039 funds the Assistant Secretary of the Navy for Research, Development and Acquisition, ASN RD&A Chief Engineer (RDA CHENG) to develop and implement architecture-based systems engineering processes, methods and tools that assure integrated and interoperable systems are delivered to the fleet. This project provides the mission-oriented technical basis for implementing capability-based acquisition management within the Department of Navy to engineer and field Navy and Marine Corps combat systems, weapon systems, and command, control, communication, computer and intelligence (C4I) programs that must operate as a family-of-systems (FoS) or system-of-systems (SoS) acquisition programs and systems. The focus of this project is on identifying the functions, relationships, and connections between systems at both the force and unit level and across warfare mission areas, and encompasses four key elements: System and Technical Architectures and Interoperability Assessments to provide the framework for making engineering decisions by warfighting capability at the FoS/SoS level, and to establish acquisition portfolios that deliver that capability based on the integration and interoperability requirements. Large-Scale Systems Engineering processes and system engineering integrated product teams are established to support consistent engineering and investment decision-making across Navy and Marine Corps programs within capability-based acquisition portfolios. Naval Collaborative Engineering Environment development and implementation as a DoN enterprise resource where all ASN (RDA) CHENG integration and interoperability information will be managed electronically to enable collaboration and decision support among Fleet organizations, Program Executive Offices, Program Managers, Systems Commands, prime contractors, Resource/Warfare Sponsors and Comptroller organizations. DoN Standards, Policies and Guidelines engineering and technical staff that recommend integration and interoperability policies and standards mandated by Joint and OSD initiatives and DoN acquisition requirements including leadership in the implementation of Anti-Tamper, software engineering and technical data standards. RDA CHENG was transferred to the Assistant for Administration to the Under Secretary of the Navy (AAUSN) starting in FY 2004.

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<b>B. Accomplishments/Planned Program</b>				
	FY 2004	FY 2005	FY 2006	FY 2007
System and Technical Architectures	3.092	3.023	3.310	3.329
<p><b>FY 2004 ACCOMPLISHMENTS:</b></p> <ul style="list-style-type: none"><li>- Developed a DoN integrated architecture governance process in collaboration with DoN Chief Information Office, Systems Commands and Net Warfare Command.</li><li>- Implemented the use of a Common System Function List (CSFL) within the DoN as the basis for describing Naval capabilities for operational and system architectures.</li><li>- Initiated work with Joint Forces Command (JFCOM) to adapt the Navy list for use in Joint capabilities based acquisition.</li><li>- Developed an integrated architecture and executable model for the Expeditionary Strike Group Land Attack (ESG LA) acquisition program portfolio (based on POM 06 Fires and Maneuver mission capability within the Sea Strike Pillar) as part of the ESG LA System Engineering Integrated Product Team (SE IPT).</li><li>- Completed pilot work for creating ESG LA Capability Evolution Document (CED).</li></ul> <p><b>FY 2005 PLAN:</b></p> <ul style="list-style-type: none"><li>- Implement the integrated architecture governance process and CSFL configuration management with other DoN processes such as FORCEnet, Virtual Systems Command, and Command, Control, Communication, Computers and Intelligence (C4I) Support Plan review, and issue appropriate guidebooks within DoN.</li><li>- Integrate DoN architecture process with evolving Joint and OSD initiatives such as Joint Battle Management Command and Control (JBMC2) and Joint Functional Capabilities Board actions.</li><li>- Complete the process to integrate and validate Sea Power 21 pillar architectures against Joint and Global Information Grid (GIG) integrated architectures.</li><li>- Expand and evolve the ESG LA integrated architecture and the CED.</li><li>- Initiate activities on Naval Integrated Fire Control – Counter Air (NIFC – CA) integrated architecture using ESG LA lessons learned.</li></ul> <p><b>FY 2006 PLAN:</b></p> <ul style="list-style-type: none"><li>- Manage and evolve DoN architecture governance process, guidance and relationship with Joint and OSD architecture processes.</li><li>- Complete Sea Strike, Sea Shield, Sea Basing and FORCEnet integrated architecture assessments as the basis for representing a Naval architecture for use by Joint and OSD communities.</li><li>- Complete ESG LA CED.</li><li>- Expand scope of ESG LA integrated architecture to include the Carrier Strike Group (CSG) platforms and systems.</li><li>- Complete NIFC – CA integrated architecture.</li></ul>				

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<b>B. Accomplishments/Planned Program</b>				
	FY 2004	FY 2005	FY 2006	FY 2007
Naval Collaborative Engineering Environment (NCEE)	2.700	2.600	3.000	3.000
<p><b>FY 2004 ACCOMPLISHMENTS:</b></p> <ul style="list-style-type: none"><li>- Deployed a Navy Marine Corps Internet compliant external access capability for use of collaborative engineering tool suite.</li><li>- Created and maintained an the Expeditionary Strike Group Land Attack (ESG LA) System Engineering Integrated Product Team (SE IPT) work space to support architecture and assessment working groups, systems engineering tool products and management and documentation functions.</li><li>- Coordinated with The Technical Coalition Partners - Technical Panel 4 (TTCP – TP4) to establish a coalition collaborative engineering environment and established an interface with the NCEE.</li><li>- Developed an interface plug-in for Navy Open Architecture (OA) and Joint Service System Engineering Program Office / Integrated Air Picture (JESSO / SIAP) to facilitate the exchange of systems engineering data to support family of systems and system of systems assessments.</li></ul> <p><b>FY 2005 PLAN:</b></p> <ul style="list-style-type: none"><li>- Implement external interfaces to authoritative DoN data bases (e.g., Navy Tool for Interoperability and Risk Assessment (NTIRA)) to create an Interoperability Data Management and Analysis (IDMA) capability within the acquisition community that supports ASN (RD&amp;A) and OPNAV decision making.</li><li>- Continue technical support to the ESG LA SE IPT with the integration of new engineering tools (e.g., system models and simulations) to support performance analyses and trade studies at the acquisition portfolio level.</li><li>- Provide technical support to Joint Forces Command (JFCOM) to establish a JFCOM CEE and implement appropriate Memoranda of Agreement (MOA) and interfaces for collaboration and mutual work sharing.</li><li>- Continue implementing MOAs and interfaces with TTCP – TP4 member countries.</li></ul> <p><b>FY 06 PLAN:</b></p> <ul style="list-style-type: none"><li>- Establish a Naval Integrated Fire Control – Counter Air (NIFC – CA) SE IPT workspace.</li><li>- Continue technical support to the ESG LA SE IPT in expanding its scope to include Carrier Strike Groups (CSGs) platforms and systems.</li><li>- Establish data requirements, MOAs and technical interfaces between authoritative Naval and Joint databases and the NCEE to facilitate family of systems and/or system of systems engineering assessments and integration and interoperability assessments.</li></ul>				

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<b>B. Accomplishments/Planned Program</b>				
	FY 2004	FY 2005	FY 2006	FY 2007
Large Scale Systems Engineering	3.400	2.900	4.400	4.700
<p><b>FY 2004 ACCOMPLISHMENTS:</b></p> <ul style="list-style-type: none"><li>- Established the Expeditionary Strike Group Land Attack (ESG LA) System Engineering Integrated Product Team (SE IPT) under Program Executive Office for Integrated Warfare System (PEO IWS) leadership to serve as a pilot for implementing capability-based acquisition within DoN.</li><li>- Coordinated development of the preliminary System Engineering Plan (SEP) and System Performance Document (SPD) and built an executable model within the Naval Collaborative Engineering Environment (NCEE) for accessing the behavior and interoperability of the ESG LA system architecture in a scenario context.</li><li>- Completed initial draft family-of-systems / system-of-systems (FoS / SoS) guidebook based on the ESG LA pilot for use by ASN RD&amp;A chartered SE IPTs.</li><li>- Provided technical support to PEO Command, Control, Communication, Computers and Information (C4I) in the development of a Communications Roadmap for ASN RD&amp;A, and in the establishment of the Navy wideband waveform working group to represent Navy interests at the Joint Tactical Radio System (JTRS) Project Office.</li></ul> <p><b>FY 2005 PLAN:</b></p> <ul style="list-style-type: none"><li>- Continue ESG LA SE IPT activities: complete final SEP; complete and implement the analysis plan; issue the SPD version 1.0; perform integration and interoperability risk assessments to support scheduled program milestone reviews; and extend the executable model scope to include Carrier Strike Group (CSG) platforms and systems.</li><li>- Establish a Naval Integrated Fire Control – Counter Air (NIFC – CA) SE IPT.</li><li>- Continue support to PEO C4I for the Navy wideband waveform working group.</li></ul> <p><b>FY 2006 PLAN:</b></p> <ul style="list-style-type: none"><li>- Continue ESG / CSG LA SE IPT activities: update the SEP, analysis plan and the SPD version 2.0 to reflect CSG platforms and systems, and conduct integration and interoperability risk assessments to support scheduled milestone reviews.</li><li>- Initiate NIFC – CA SE IPT activities: prepare SEP and analysis plan, develop an executable model within the NCEE to assess the behavior and interoperability of the NIFC – CA system architecture in a scenario context.</li><li>- Continue support to PEO C4I for the Navy wideband waveform working group.</li></ul>				

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**B. Accomplishments/Planned Program**

	FY 2004	FY 2005	FY 2006	FY 2007
Standards, Policy, and Guidelines	2.800	2.600	4.900	5.000

**FY 2004 ACCOMPLISHMENTS:**

- Completed assessments of the Joint Capability Integration and Development System (JCIDS) process and associated documents (e.g., CJCSI/M 3170), DOD acquisition system process and associated documents (e.g., DODD/I 5000 and Defense Acquisition Guide), Interoperability documents (e.g., DODD/I 4630.5/8), Joint Technical Architecture version 5.0, DOD Architecture Framework version 1.0, DON CIO Architecture Policy, Combat Systems (IWS) Open Architectures, SIAP common systems functions, SECNAVINST 5000.2C and guidebook, FORCEnet Architecture and Standards and associated documents, SECDEF Strategic Planning Guidance, Joint Battle Management Command and Control (JBMC2) Roadmap, and many other guidelines, standards, and policy documents that potentially impact the DoN acquisition community.
- Represented ASN RD&A in the response to SECDEF Management Information Directive (MID) 912, for the alignment of FORCEnet and Navy programs to Joint Battle Management Command and Control (JBMC2).
- Represented ASN RD&A for the Air Missile Defense (AMD) Roadmap on Sea Shield and Navy program alignment to the Functional Capability Board (FCB) Force Protection Capability area.
- Assisted PEOs, PMs, and SYSCOMs in policy and standards compliance in the preparation of acquisition program documentation (e.g, C4ISPs and Information Assurance) prior to scheduled milestone reviews.
- Facilitated and collaborated with Systems Commands and Program Executive Offices on CNO-ASN RD&A Topside Integration policy.

**FY 2005 PLAN:**

- Continue representation in MID 912 JBMC2 and AMD alignment activities.
- Initiate representation on at least one additional Joint FCB (Force Application) for alignment of Navy Sea Strike programs.
- Establish a ready access and authoritative integration and interoperability standards, policy, and guidelines resource reference utilizing the NCEE.
- Assist PEOs, PMs, and SYSCOMs in policy and standards compliance.
- Initiate coordination among policies towards development of an integrated quick reference roadmap for acquisition programs on how the policies fit together.

**FY 2006 PLAN:**

- Continue representation in MID 912 JBMC2, AMD, and Force Application alignment activities.
- Initiate representation on at least one additional Joint Staff FCB (Net Centric) for alignment of Navy pillars and programs.
- Manage the integration and interoperability standards, policies, and guidelines .
- Assist PEOs, PMs, and SYSCOMs in policy and standards compliance.
- Continue development of an integrated quick reference roadmap for acquisition programs on how the policies fit together.
- Implement Anti-Tamper policy throughout DoN
- Develop Anti-Tamper database to meet user continuing requirements

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**C. PROGRAM CHANGE SUMMARY:**

Funding:	FY 2004	FY 2005	FY 2006	FY 2007
Previous President's Budget: (FY 05 Pres Controls)	12.242	11.563	14.230	14.689
Current President Budget: (FY06Pres Controls)	11.982	11.123	15.610	16.029
Total Adjustments	-0.260	-0.440	1.380	1.340
Summary of Adjustments				
FY 04 SBIR adjustments	-0.175	0.000	0.000	0.000
FY06 SRB - Anti Tamper	0.000	1.500	1.500	1.600
Congressional Recessions/Adjustments/Undistributed Reductions	0.000	-0.440	0.095	0.196
Program Adjustment	0.000	0.000	-0.215	-0.456
Execution Realignment	-0.085	0.000	0.000	0.000
FY06 SBR- Anti Tamper adjustment	0.000	-1.500	0.000	0.000
Subtotal	-0.260	-0.440	1.380	1.340

Schedule: "Not Applicable."

Technical: "Not Applicable."

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	0605853N/Management, Technical, and International Spt			PROJECT NUMBER AND NAME R0149 International Cooperative RDT&E				
COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Project Cost	1.785	1.646	1.723	1.787	1.866	1.924	1.985	2.046
RDT&E Articles Qty								

### A. 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 enhance U.S. and coalition warfighting capabilities, enhance U.S./allied interoperability and standardization, obtain unique foreign technologies, and reduce U.S. developmental and production costs. Such efforts result in:

1. Development and negotiation of approximately 50 International Research Development Test and Evaluation (RDT&E) Agreements annually with allied and friendly nations.
2. Execution of over 300 information exchange annexes.
3. Participation in armaments cooperation fora including the Conference of North Atlantic Treaty Organization (NATO) Armaments Directors groups (e.g., the NATO Naval Armaments Group), Senior National Representative (SNR) meetings and The Technical Cooperative Program (TTCP).
4. Participation in the Engineering and Scientist Exchange Program (ESEP).

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<b>B. Accomplishments/Planned Program</b>				
	FY 04	FY 05	FY 06	FY 07
DoN Participation	1.785	1.646	1.723	1.787
Brief Description of DoN Participation.				
<p>FY 2004 ACCOMPLISHMENTS:</p> <p>Refocused efforts to emphasize cooperation in the Global War on Terrorism with existing and new allies. Worked with US DoD/State Department and other agencies to assess and prioritize potential new partners to develop capabilities in support of non-symmetrical warfare, anti-terrorism technologies. Focused on coalition interoperability and enhancing the ability of allies to integrate into a coalition battle force. Engaged in evolving the NATO Naval Armaments Group (NNAG) and Five Power Groups to focus on today's threat and ensuring coalition interoperability in the alliance.</p> <p>Refocused international activities to obtain foreign technologies and capabilities that improve USN warfighting capabilities through collaboration and/or cooperative development. Conducted harmonization of requirements with critical allies to identify common areas of interest, particularly in littoral mine, anti-submarine warfare and non-conventional threats.</p> <p>Reprioritized cooperative programs with foreign navies to focus on technology, techniques and equipment that improve/enhance coalition capability. Chief of Naval Operations (OPNAV) has increased its participation in Office of the Secretary of Defense Acquisition Technology and Logistics (OSD, AT&amp;L's) Foreign Comparative Test (FCT) Program and the Coalition Warfare Program (CWP) to enhance synergy between these programs and warfighting requirements.</p> <p>Continued to update the DoN data base for drafting, negotiating, managing and tracking of proposed International Agreements (IAs) for "high leverage/high payoff" R&amp;D technology projects with key allies and friendly nations. Provided support to Acquisition Integrated Product Teams (IPTs) in evaluating international cooperative alternatives for development of DoN programs as well as support to the OSD International Cooperation Office.</p> <p>Increased the level of Navy Participation in the ESEP to four scientists/engineers. Continued to conduct post-assignment analysis of scientists/engineers to better target future opportunities for emerging technologies and programs at foreign research establishments.</p> <p>FY 2005 PLANS:</p> <p>Continue to emphasize cooperation in the Global War on Terrorism with allies. Work with US DoD/State Department and other agencies to assess and prioritize potential new partners with capabilities in non-symmetrical warfare, anti-terrorism technologies. Continue to focus on coalition interoperability and enhancing the ability of allies to integrate into a coalition battle force. Continue to work to evolve the NATO Naval Armaments Group (NNAG) and Five Power Groups to focus on future threats and ensuring coalition interoperability in the alliance.</p> <p>Focus on international activities to obtain foreign technologies and capabilities that improve USN warfighting capabilities through collaboration and/or cooperative development. Conduct harmonization of requirements with critical allies to continue to improve coalition interoperability and develop interoperability with newly emerging allies and friendly nations.</p>				

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<p><b>B. Accomplishments/Planned Program (Cont.)</b></p> <div style="border: 1px solid black; padding: 10px;"> <p>Prioritize cooperative programs with foreign navies to focus on technology, techniques and equipment that improve/enhance coalition capability. Emphasize increased participation in the Office of the Under Secretary of Defense (OUSD) AT&amp;L's Foreign Comparative Test (FCT) Program and the Coalition Warfare Program (CWP) to better influence program selection that could satisfy capability requirements.</p> <p>Maintain and evolve the DoN database for drafting, negotiating, managing and tracking of proposed International Agreements (IAs) for "high leverage/high payoff" R&amp;D technology projects with key allies and friendly nations. Integrate DoN international databases ensuring sharing of critical data in order to enhance cooperative opportunities leveraging scarce program dollars. Provide support to Acquisition Integrated Product Teams (IPTs) in evaluating international cooperative alternatives for development of DoN programs as well as support to the Office of the Secretary of Defense (OSD) International Cooperation Office.</p> <p>Evaluate foreign research establishments and emerging technologies to best determine placement of US Navy ESEP placements to best leverage their expertise. Conduct competitive screening to select scientists/engineers in order to maintain Navy participation in the ESEP at two to three scientists/engineers. Conduct post-assignment analysis of scientists/engineers to better integrate the technologies assimilated while on assignment at a foreign research establishment.</p> <p><b>FY 2006 PLANS:</b></p> <p>Continue to emphasize cooperation in the Global War on Terrorism with allies. Work with US DoD/State Department and other agencies to assess and prioritize potential new partners with capabilities in non-symmetrical warfare, anti-terrorism technologies. Continue to focus on coalition interoperability and enhancing the ability of allies to integrate into a coalition battle force. Continue to work to evolve the NATO Naval Armaments Group (NNAG) and Five Power Groups to focus on future threats and ensuring coalition interoperability in the alliance. Focus on international activities to obtain foreign technologies and capabilities that improve USN warfighting capabilities through collaboration and/or cooperative development. Conduct harmonization of requirements with critical allies to continue to improve coalition interoperability and develop interoperability with newly emerging allies and friendly nations.</p> <p>Prioritize cooperative programs with foreign navies to focus on technology, techniques and equipment that improve/enhance coalition capability. Emphasize increased participation in OUSD AT&amp;L's Foreign Comparative Test (FCT) Program and the Coalition Warfare Program (CWP) to better influence program selection that could satisfy capability requirements.</p> <p>Maintain and evolve the DoN database for drafting, negotiating, managing and tracking of proposed International Agreements (IAs) for "high leverage/high payoff" R&amp;D technology projects with key allies and friendly nations. Integrate DoN international databases ensuring sharing of critical data in order to enhance cooperative opportunities leveraging scarce program dollars. Provide support to Acquisition Integrated Product Teams (IPTs) in evaluating international cooperative alternatives for development of DoN programs as well as support to the Office of the Secretary of Defense (OSD) International Cooperation Office.</p> <p>Evaluate foreign research establishments and emerging technologies to best determine placement of US Navy ESEP placements to best leverage their expertise. Conduct competitive screening to select scientists/engineers in order to maintain Navy participation in the ESEP at two to three scientists/engineers. Conduct post-assignment analysis of scientists/engineers to better integrate the technologies assimilated while on assignment at a foreign research establishment.</p> </div>		

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Exhibit R-2a, RDTEN Project Justification

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME 0605853N/Management, Technical and International Spt	PROJECT NUMBER AND NAME R0149 International Cooperative RDT&E
<b>B. Accomplishments/Planned Program (Cont.)</b>		
<div><p>FY 2007 PLANS:</p><p>Continue to emphasize cooperation in the Global War on Terrorism with allies. Work with US DoD/State Department and other agencies to assess and prioritize potential new partners with capabilities in non-symmetrical warfare, anti-terrorism technologies. Continue to focus on coalition interoperability and enhancing the ability of allies to integrate into a coalition battle force. Continue to work to evolve the NATO Naval Armaments Group (NNAG) and Five Power Groups to focus on future threats and ensuring coalition interoperability in the alliance. Focus on international activities to obtain foreign technologies and capabilities that improve USN warfighting capabilities through collaboration and/or cooperative development. Conduct harmonization of requirements with critical allies to continue to improve coalition interoperability and develop interoperability with newly emerging allies and friendly nations. Prioritize cooperative programs with foreign navies to focus on technology, techniques and equipment that improve/enhance coalition capability. Emphasize increased participation in OUSD AT&amp;L's Foreign Comparative Test (FCT) Program and the Coalition Warfare Program (CWP) to better influence program selection that could satisfy capability requirements. Maintain and evolve the DoN database for drafting, negotiating, managing and tracking of proposed International Agreements (IAs) for "high leverage/high payoff" R&amp;D technology projects with key allies and friendly nations. Integrate DoN international databases ensuring sharing of critical data in order to enhance cooperative opportunities leveraging scarce program dollars. Provide support to Acquisition Integrated Product Teams (IPTs) in evaluating international cooperative alternatives for development of DoN programs as well as support to the Office of the Secretary of Defense (OSD) International Cooperation Office. Evaluate foreign research establishments and emerging technologies to best determine placement of US Navy ESEP placements to best leverage their expertise. Conduct competitive screening to select scientists/engineers in order to maintain Navy participation in the ESEP at two to three scientists/engineers. Conduct post-assignment analysis of scientists/engineers to better integrate the technologies assimilated while on assignment at a foreign research establishment.</p></div>		

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**C. PROGRAM CHANGE SUMMARY:**

	FY 2004	FY 2005	FY 2006	FY 2007
Funding:				
Previous President's Budget: (FY 05 Pres Controls)	1.864	1.669	1.714	1.756
Current President's Budget: (FY06 Pres Controls)	1.785	1.646	1.723	1.787
Total Adjustments	-0.079	-0.023	0.009	0.031
Summary of Adjustments				
SBIR Assessment	-0.034	0.000	0.000	0.000
Execution Adjustments	-0.045	0.000	0.000	0.000
Congressional Rescissions/Adjustments/Undistributed Reductions	0.000	-0.023	0.000	0.000
Non-Pay Inflation Adjustments	0.000	0.000	0.009	0.012
Rate Adjustments	0.000	0.000	0.000	0.019
Subtotal	-0.079	-0.023	0.009	0.031

  

Schedule:

Not Applicable.

  
  
  

Technical:

Not Applicable.

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## CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2005</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME 0605853N/Management, Technical and International Support				PROJECT NUMBER AND NAME R1767 Naval Warfare Studies			
COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Project Cost	2.964	2.353	3.311	3.276	3.420	3.500	3.540	3.609
RDT&E Articles Qty								

### A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Naval War College (NWC) research, analysis and gaming activities serve as a focal point, stimulus, and major source of strategic and operational thought within the Navy, Joint and Interagency communities. These efforts generate strategic and operational alternatives, quantitative analysis, and political military assessments, and provide recommendations to the Chief of Naval Operations (CNO) and Fleet Commanders regarding the formulation and execution of options for the President of the United States.

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<b>B. Accomplishments/Planned Program</b>				
	FY04	FY05	FY06	FY07
Strategic Studies	1.573	1.219	1.533	1.516
<p>Brief Description of Strategic Studies. NWC conducts research in strategic studies in response to taskings from the Secretary of the Navy (SECNAV), CNO, Fleet and Combatant Commanders. NWC also hosts the activities of the CNO's Strategic Studies Group (SSG). The CNO SSG is a select group of senior naval officers handpicked by the CNO, who report to him in the development of revolutionary warfighting and operational concepts, such as Sea Strike and FORCEnet.</p> <p>FY 2004 ACCOMPLISHMENTS: NWC conducted strategic research, analysis and studies in response to SECNAV, CNO, Fleet and Combatant Commander tasking in such areas as maritime strategy, decision support, and direct fleet support. Efforts included research and analysis support for "40+ knot" Concept of Operations, Nuclear Guided Missile Submarines (SSGN) future capabilities, Future Fleet Architecture and the Proliferation Security Initiative. SSG completed an examination of the Naval Force for SEA POWER 21 and beyond, to determine maritime operational concepts needed to conduct joint warfare in 2030 and beyond.</p> <p>FY 2005 PLANS: Continue to conduct strategic studies in response to SECNAV, CNO, Fleet and Combatant Commander tasking in the areas of maritime strategy, decision support, and direct fleet support. Continue to conduct warfighting innovation and revolutionary concept generation in response to direct tasking from the CNO.</p> <p>FY 2006 PLANS: Continue to conduct strategic studies in response to SECNAV, CNO, Fleet and Combatant Commander tasking in such areas as maritime strategy, decision support, and direct fleet support. Continue to conduct warfighting innovation and revolutionary concept generation in response to direct tasking from the CNO.</p> <p>FY 2007 PLANS: Continue to conduct strategic studies in response to SECNAV, CNO, Fleet and Combatant Commander tasking in such areas as maritime strategy, decision support, and direct fleet support. Continue to conduct warfighting innovation and revolutionary concept generation in response to direct tasking from the CNO.</p>				

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<b>B. Accomplishments/Planned Program (Cont.)</b>				
	FY04	FY05	FY06	FY07
Naval Wargaming Support	1.313	1.085	1.714	1.696
<p>Brief Description of Naval Wargaming Support. As the nation's premier defense wargaming center, NWC conducts strategic and operational wargaming and research for OPNAV, the numbered Fleets, Fleet Commanders, and the Combatant Commanders. Each year, 50 - 60 major wargames and associated events provide support to efforts that explore and analyze military, political and economic impacts resulting from differing strategic and operational scenarios.</p> <p>FY 2004 ACCOMPLISHMENTS: Conducted 40-50 wargaming and associated activities in support of OPNAV staff, NWDC and the numbered Fleets, Fleet Commanders, and the Combatant Commanders. Major wargaming efforts included games in support of SEATRIAL, advanced Command and Control, 40+ Knot CONOPS, and SSGN future capabilities.</p> <p>FY 2005 PLANS: Conduct 30-40 major wargames and related events in support of OPNAV, the numbered Fleets, Fleet Commanders, and the Combatant Commanders.</p> <p>FY 2006 PLANS: Conduct 50-55 major wargames and related events in support of OPNAV, the numbered Fleets, Fleet Commanders, and the Combatant Commanders. Begin implementation of Joint Warfare System (JWARS) to replace the Navy Simulation System.</p> <p>FY 2007 PLANS: Conduct 50-55 major wargames and related events in support of OPNAV, the numbered Fleets, Fleet Commanders, and the Combatant Commanders. Continue implementation of Joint Warfare System (JWARS) to replace the Navy Simulation System.</p>				

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<b>B. Accomplishments/Planned Program (Cont.)</b>				
	FY04	FY05	FY06	FY07
NWC Student Research Projects	0.078	0.049	0.064	0.064
<p>Brief Description of NWC Student Research Projects. Selected, top-performing NWC students conduct focused research and analysis of current and future strategic and operational challenges. These students are organized under the supervision of the Mahan Scholars Program and the Halsey Group Program.</p> <p>FY 2004 ACCOMPLISHMENTS: Conducted focused research and analysis of current and future strategic and operational challenges under the Mahan Scholars and Halsey Group programs. Completed projects that have been presented to the CNO include a Theater Ballistic Missile Defense Concept of Operations and a Theater Anti Submarine Warfare (ASW) Concept of Operations. Both represent real world operational challenges of concern to the CNO.</p> <p>FY 2005 PLANS: Continue to conduct focused research and analysis of current and future strategic and operational challenges under the Mahan Scholars and Halsey Group programs.</p> <p>FY 2006 PLANS: Continue to conduct focused research and analysis of current and future strategic and operational challenges under the Mahan Scholars and Halsey Group programs.</p> <p>FY 2007 PLANS: Continue to conduct focused research and analysis of current and future strategic and operational challenges under the Mahan Scholars and Halsey Group programs.</p>				

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## CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE: <b>February 2005</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME 0605853N/Management, Technical and International Spt	PROJECT NUMBER AND NAME R1767 Naval Warfare Studies		

**C. PROGRAM CHANGE SUMMARY:**

	FY 2004	FY2005	FY2006	FY2007
Funding:				
Previous President's Budget: (FY05 Pres Controls)	2.980	2.376	2.539	2.495
Current President's Budget: (FY06 Pres Controls)	2.964	2.353	3.311	3.276
Total Adjustments	-0.016	-0.023	0.772	0.781
Summary of Adjustments				
PME Strategy	0.000	0.000	0.774	0.783
SBIR Assessment	-0.016	0.000	0.000	0.000
Congressional Rescissions/Adjustments/Undistributed Reductions	0.000	-0.022	0.000	0.000
Program Adjustments	0.000	-0.001	-0.002	-0.002
Subtotal	-0.016	-0.023	0.772	0.781

Schedule:

Not Applicable.

  
  
  

Technical:

Not Applicable.

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**CLASSIFICATION:**

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: <b>February 2005</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY / BA-6</b>					R-1 ITEM NOMENCLATURE Program Element (PE) No. and Name		0605853N/Mgmt, Tech. and Intl. Spt.	
COST (\$ in Millions)	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
Total PE Cost								
R9263/Combating Terrorism Wargaming and Research	1.223	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<p><b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b>            Combatting Terrorism Wargaming Research: The Naval War College conducted a series of wargames and research projects to identify potential terrorist threats and develop options to counter those threats.</p>								

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EXHIBIT R-2a, RDT&E Project Justification						DATE: <b>February 2005</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>		PROGRAM ELEMENT NUMBER AND NAME 0605853N/Management, Technical, and International Spt			PROJECT NUMBER AND NAME R3025 Mid-Range Financial Improvement Plans			
COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Project Cost	0.000	4.012	2.038	1.600	1.628	1.630	1.666	1.705
RDT&E Articles Qty								

### A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

One of the DoD's and Navy's priority goals is to gain a clean and auditable financial statement by FY 2007. The OSD Comptroller, in his 8 August 2003 memorandum, directed the Military Departments and Defense Agencies, in coordination with the Defense Finance and Accounting Service (DFAS), to prepare a comprehensive mid-range financial improvement plan to identify measurable steps to ensure each material line is auditable, and ensure all major deficiencies are resolved.

This project supports the RDT&E,N and Office of Naval Research (ONR) portion of the larger DoD and Navy-wide effort to implement the Financial Improvement Plan (FIP). Corrective actions required to resolve known deficiencies and determine resource requirements (people and systems) have been identified. Funding beyond FY 2007 is for the sustainment of the clean and auditable statements for RDT&E,N/ONR.

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Previous President's Budget (FY05 Pres Controls)	0.000	4.055	2.038	1.598																																																		
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Total Adjustments	0.000	-0.043	0.000	0.002																																																		
Summary of Adjustments																																																						
Congressional Rescissions/Adjustments/Undistributed Reductions	0.000	-0.042	0.000	0.000																																																		
Program Adjustments	0.000	-0.001	0.000	0.000																																																		
Rate Adjustments	0.000	0.000	0.000	0.002																																																		
Subtotal	0.000	-0.043	0.000	0.002																																																		

R-1 LINE ITEM 150

# UNCLASSIFIED

**CLASSIFICATION:**

EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2005</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>		PROGRAM ELEMENT NUMBER AND NAME 0605853N/Management, Technical and International Spt			PROJECT NUMBER AND NAME 2221 Assessment Program			
COST (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY2011
Project Cost	12.038	11.558	22.165	22.746	23.261	23.708	24.227	24.708
RDT&E Articles Qty								

**A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:**

Project 2221, Assessment Program, provides capability based planning assessment for Joint Capabilities Integration and Development System (JCIDS), conducts analysis to affect warfighting capability trades and enterprise resources, identify needs, gaps, and overlaps, and assess Alternative solutions to Joint needs. Manages Office of the Chief of Naval Operations (OPNAV) support to Office of the Secretary of Defense (OSD)/Navy's analytic Agenda. Provides overarching Planning, Programming and Budgeting System (PPBS) Analyses and Guidance Planning, Programming and Budgeting Execution (PPBE) with N80 and provides Gap analysis and Investment Strategy (Total Obligational Authority (TOA) allocation). Provides independent capability analysis directly to Chief of Naval Operations (CNO) and assists in structuring follow-on Office of the Chief of Naval Operations (OPNAV) analyses. The program coordinates Navy's position for the Enhanced Planning Process and conducts Net Assessments. This program serves as the lead campaign analysis for Office of the Chief of Naval Operations (OPNAV) and supports Concept of Operations (CONOPS) analysis and Chief of Naval Operations Investment Strategy assessments, all of which prove analytical underpinnings/basis for programmatic decisions of the Navy's top leadership regarding the integration of all Navy warfare and support requirements. This program is dual-hated as the head of CNO's Capability Analysis Group (N00X) and serves the CNO directly as an independent assessor providing a broad-view perspective across the Navy staff apart from resource sponsors, with an integrated look at both warfighting and warfighting support programs. Provides the CNO alternatives in assessing the implications imbedded within resource decisions in a quantified context of costs versus capability versus risk. This program provides independent analytic support to Navy leadership in conjunction with various executive level decision forums. The 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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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME 0605853N/Management, Technical and International Spt	PROJECT NUMBER AND NAME 2221 Assessment Program		
<b>B. Accomplishments/Planned Program</b>				
	FY 04	FY 05	FY 06	FY 07
Navy Standard Scenarios	1.230	1.232	1.330	1.451
<p>FY 2004 ACCOMPLISHMENTS: Developed, updated and maintained detailed level Navy Standard scenarios based on Defense Planning Guidance. Developed Alternative Scenarios in Support of Quadrennial Defense Review (QDR), Joint Studies, and Navy Resource Analyses.</p> <p>FY 2005 PLAN: Continue to develop, update and maintain detailed level Navy Standard scenarios based on Defense Planning Guidance. Develop Alternative Scenarios in Support of Quadrennial Defense Review (QDR), Joint Studies, and Navy Resource Analyses.</p> <p>FY 2006 PLAN: Continue to develop, update and maintain detailed level Navy Standard scenarios based on Defense Planning Guidance. Develop Alternative Scenarios in Support of Quadrennial Defense Review (QDR), Joint Studies, and Navy Resource Analyses.</p> <p>FY 2007 PLAN: Continue to develop, update and maintain detailed level Navy Standard scenarios based on Defense Planning Guidance. Develop Alternative Scenarios in Support of Quadrennial Defense Review (QDR), Joint Studies, and Navy Resource Analyses.</p>				

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### B. Accomplishments/Planned Program

	FY 04	FY 05	FY 06	FY07
Campaign Analysis - Modeling and Simulation	7.034	6.496	6.700	6.581

#### FY 2004 ACCOMPLISHMENTS:

Developed and maintained common baselines from which campaign excursions and mission-level analyses were executed. Identified, developed, and improved data and modeling. Led Navy's participation in Office of the Secretary of Defense (OSD)/Joint Staff analytic agenda, baseline development, and collection of data. Provided path and structure for coordination across the Navy. Broker agreed upon assumptions, Concept of Operations (CONOPS), scenarios and data.

#### FY 2005 PLAN:

Continue to develop and maintain common baselines from which campaign excursions and mission-level analyses are executed. Identify, develop, and improve data and modeling. Lead Navy's participation in Office of the Secretary of Defense (OSD)/Joint Staff analytic agenda, baseline development, and collection of data. Provide path and structure for coordination across the Navy. Broker agreed upon assumptions, Concept of Operations (CONOPS), scenarios and data.

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#### FY 2007 PLAN:

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Exhibit R-2a, RDTEN Project Justification

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	FY 04	FY 05	FY 06	FY 07															
OSD/Joint Staff Study Analysis & Assessment	1.466	1.509	1.629	1.772															
<p><b>FY 2004 ACCOMPLISHMENTS:</b> Continued to lead Joint requirements Oversight Council (JROC), Joint Capabilities Board (JCB), Functional Capabilities Board (FCB), and Joint Warfighting Capabilities Assessment (JWCA) participation. Led Requirements and Acquisition for Office of Chief of Naval Operations (OPNAV) . Coordinated/led Navy role in Defense Planning Guidance (DPG), Program Decision Memoranda (PDM), Joint Warfighting Capabilities Assessment (JWCA), Quadrennial Defense Review (QDR), and Defense Science Board (DSB) studies. Promoted and defended Navy Program Objectives Memorandum (POM). Provided participation in Office of the Secretary of Defense (OSD) and Joint Staff analysis assessment and provided structure for coordination across the Navy.</p> <p><b>FY 2005 PLAN:</b> Continue to lead Joint requirements Oversight Council (JROC), Joint Capabilities Board (JCB), and Functional Capabilities Board (FCB), participation. Lead Requirements and Acquisition for Office of the Chief Naval Operations (OPNAV) . Coordinate/lead Navy role in Defense Planning Guidance (DPG), Program Decision Memoranda (PDM), Quadrennial Defense Review (QDR), and Defense Science Board (DSB) studies. Promote and defend Navy Program Objectives Memorandum (POM). Provide participation in Office of the Secretary of Defense (OSD) and Joint Staff analysis assessment and provide structure for coordination across the Navy. Establish and manage authoritative data repository by locating best quality data for Modeling and Simulation (M&amp;S) for use by Office of the Chief of Naval Operations (OPNAV) and Navy-Wide organizations. Create an analytic infrastructure of data of forces, units, equipment, data, Read and Blue Concept of Operations (CONOPS). Continue to coordinate/support Joint Analytical Model Improvement Program (JAMIP).</p> <p><b>FY 2006 PLAN:</b> Coordinate/Lead Office of the Secretary of Defense (OSD)/Navy's Analytic Agenda in Defense Planning Scenario (DPS), Multi-Service Force Deployment (MSFD), Enhanced Planning Process (EPP), Strategic Planning Process (SPG), and participate in Capability Sponsors' Integrated Processing Teams (IIPs). Lead Campaign Analysis for Office of the Chief of Naval Operations (OPNAV). Provide overarching Planning, Programming and Budgeting System (PPBS) analyses and guidance. Perform analytically-based decision recommendations to Chief of Naval Operations (CNO) for both warfighting and support areas. Develop CNO Investment Strategy. Conduct Net assessments and provide independent analytic support to Navy leadership in conjunction with various executive level decision forums.</p> <p><b>FY 2007 PLAN:</b> Continue to coordinate/Lead coordinate/Lead Office of the Secretary of Defense (OSD)/Navy's Analytic Agenda in Defense Planning Scenario (DPS), Multi-Service Force Deployment (MSFD), Enhanced Planning Process (EPP), Strategic Planning Process (SPG), and participate in Capability Sponsors' Integrated Processing Teams (IIPs). Lead Campaign Analysis for Office of the Chief of Naval Operations (OPNAV). Provide overarching Planning, Programming and Budgeting System (PPBS) analyses and guidance. Perform analytically-based decision recommendations to Chief of Naval Operations (CNO) for both warfighting and support areas. Develop CNO Investment Strategy. Conduct Net assessments and provide independent analytic support to Navy leadership in conjunction with various executive level decision forums.</p>																			

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**Exhibit R-2a, RDTEN Project Justification**

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## CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE: <b>February 2005</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME 0605853N/Management, Technical and International Spt	PROJECT NUMBER AND NAME 2221 Assessment Program		
<b>B. Accomplishments/Planned Program (Cont.)</b>				
	FY 04	FY 05	FY 06	FY 07
World Class Modeling, Simulation, and Capability Analysis	0.000	0.000	10.000	10.210
<p><b>FY 2006 PLAN:</b> Takes the Navy to the next level of achieving a "World Class" modeling, simulation, and analysis capability and represents a major move in the direction of integrating all Department of the Navy Modeling and Simulation (M&amp;S) activities to support the Office of the Chief of Naval Operations (OPNAV) staff and the Joint Analytic Agenda. It also includes the development of new models in new mission areas (including Expeditionary Warfare (EXWAR), Command, Control, Communication, Computers, Intelligence, Surveillance &amp; Reconnaissance (C4ISR), Force Protection/Anti-Terrorism (FP/AT), Information Operations (IO), &amp; Global War on Terrorism (GWOT)), assessments and improvements of current models to better reflect Navy's developing capabilities, provision for rigorous Verification, Validation, and Accreditation of Navy models.</p> <p>Provides the Navy with concise and innovative analyses and assessment to help guide Navy Programs and investment decision while transitioning to and implementing the Sea Power 21 Concepts of Operations. Support next generation research that emphasizes combat modeling, simulation, wargaming, and analysis in support of strategic, operational, and tactical decision making and experimentation. Develop a plan to execute new Validation, Verification and Accreditation (VV&amp;A) suite of models to meet model and simulation at the mission and campaign level. Evaluate new models that are able to capture ground force Command, Control, Communication, Computers, Intelligence, Surveillance &amp; Reconnaissance (C4ISR) interaction with sea based forces to evaluate requirements to support Global Information grid for expeditionary warfare. Conduct Zero Base Reviews (ZBRs) to evaluate new warfare models for campaign analysis to baseline the process.</p> <p><b>FY 2007 PLAN:</b> Continue to provide the Navy with concise and innovative analyses and assessment to help guide Navy Programs and investment decision while transitioning to and implementing the Sea Power 21 Concepts of Operations. Support next generation state-of-the-art research that emphasizes combat modeling, simulation, wargaming, and analysis in support of strategic, operational, and tactical decision making and experimentation. Develop a plan to execute into new Validation, Verification and Accreditation (VV&amp;A) suite of models to meet model and simulation at the mission and campaign level. Evaluates new models that are able to capture ground force Command, Control, Communication, Computers, Intelligence, Surveillance &amp; Reconnaissance (C4ISR) interaction with sea based forces to evaluate requirements to support Global Information grid for expeditionary warfare. Conduct Zero Base Reviews (ZBRs) to evaluate new warfare models for campaign analysis to baseline the process. Development of new analytic tools for the Quadrennial Defense Review (QDR) and continued development of a robust library of scenarios. Assess analytical models relevant for current and future Joint warfare.</p>				

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