FY 2009 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET DATE: February 2008
Exhibit R-2

BUDGET ACTIVITY: 07
PROGRAM ELEMENT: 0205658N
PROGRAM ELEMENT TITLE: NAVAL SCIENCE ADVISOR PROGRAM

COST: (Dollars in Thousands)

Project Number & Title	FY 2007 Actual	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate
Total PE	5,433	3,451	3,625	3,748	3,814	3,851	3,880
0834 LABORATORY FLEET SUPPORT	5,433	3,451	3,625	3,748	3,814	3,851	3,880

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Naval Science Advisor Program ensures that the Fleet/Force (F/F) helps shape the Department of the Navy (DoN) investment in Science and Technology (S&T), develops teaming relationships to rapidly demonstrate and transition technology, supports development of technology-based capability options for naval forces, and enables warfighting innovations based on technical and conceptual possibilities. This is accomplished through proactive connectivity and collaboration between DoN S&T and Joint, Navy, and Marine Corps commands worldwide. The program accomplishes this through several methods. It provides Science Advisors to Joint, Navy, and Marine Corps operational and strategic planning commands. Science Advisors facilitate and disseminate Joint Capabilities Integration and Development System (JCIDS) requirements provided by the F/F Commanders to the Director of Navy Test and Evaluation and Technology Requirements (OPNAV N091). Science Advisors collaborate with the F/F to identify specific solutions to known operational capability needs and provide the means to develop and demonstrate prototype systems. As a result, Science Advisors provide insight into issues associated with Naval Warfighting Capabilities that influence S&T program decision making. The program develops leaders among civilian scientists and engineers in the Naval Research Enterprise (NRE). Upon completion of their tours, Science Advisors return to the NRE with first hand knowledge of the F/F, warfighting issues, and strategic decision making. The Naval Science Advisor Program enables continuous communication and collaboration between the warfighters, the technical community, and strategic development commands.

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B. PROGRAM CHANGE SUMMARY:

	FY 2007	FY 2008	FY 2009
FY 2008/FY 2009 President's Budget Submission	3,363	3,473	3,608
Congressional Undistributed Reductions/Rescissions	0	-22	0
Execution Adjustments	2,087	0	0
Rate Adjustments	0	0	17
SBIR Assessment	-17	0	0
FY 2009 President's Budget Submission	5,433	3,451	3,625

PROGRAM CHANGE SUMMARY EXPLANATION:
Technical: The FY 2007 and out program funds 24 Science Advisors. Execution adjustments fund Science and Technology programs, management, execution and support costs for FY 2007 initiatives.

Schedule: Not applicable.

C. OTHER PROGRAM FUNDING SUMMARY:
Not applicable.

D. ACQUISITION STRATEGY:
Not applicable.

E. PERFORMANCE METRICS:
Goal: Provide leadership with timely S&T advice on issues.
Metric: Monthly reports by Science Advisors to the Office of Naval Research and senior leadership within their assigned commands.

Goal: Provide the optimum technological solutions to achieve Fleet/Force capability requirements.
Metric: Number of capability gaps reduced to technology gaps.

FY 2009 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET DATE: February 2008
Exhibit R-2a

BUDGET ACTIVITY: 07
PROGRAM ELEMENT: 0205658N PROGRAM ELEMENT TITLE: NAVAL SCIENCE ADVISOR PROGRAM
PROJECT NUMBER: 0834 PROJECT TITLE: LABORATORY FLEET SUPPORT

COST: (Dollars in Thousands)

Project Number & Title	FY 2007 Actual	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate
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B. ACCOMPLISHMENTS/PLANNED PROGRAM:

	FY 2007	FY 2008	FY 2009
NAVAL SCIENCE ADVISOR PROGRAM	5,433	3,451	3,625

The Science Advisors are a conduit between the Fleet/Force, the Office of Naval Research (ONR) and the NRE: Specific Fleet Accomplishments were:

- Science Advisor, Commander Seventh Fleet (COMSEVENTHFLT) (C7F), continued active support for discreet elements of the U.S. Pacific Command (PACOM) Pacific Air Study (PAS) by pursuing joint technological solution sets to resolve the study's key findings. Efforts have been specifically identified at the Office of the Secretary of Defense (OSD) as being "instrumental" toward resolution of certain key findings of the PAS – by informing future investment strategy. As Project Director for two first-of-their-kind aircraft carrier vulnerability studies, formally delivered test results. These studies are currently under review by Naval Research Laboratory (NRL), Naval War College, and Navy Systems Commands. A formal commencement of the proposal initiated to conduct a Navy-Air Force Theater Ballistic Early Warning study by the OSD Joint Test and Evaluation Office.

- Science Advisor, Commander Fleet Forces Command (CFFC), established business rules and developed a Fleet Force input schedule that increased Fleet inputs into the Future Naval Capabilities (FNCs), Rapid Technology Transition (RTT), and Joint Concept Technology Demonstration (JCTD) S&T. Coordinated and led over 130 scientist and engineers from the Naval Research Laboratory (NRL)/ONR, Office of the Chief of Naval Operations (OPNAV), United States Air Force (USAF) on familiarization tours of Navy ships, aircrafts, and landing craft. These tours provided senior decision makers and engineers a better understanding on how to design and procure equipment needed by the Fleet Forces. Developed briefs, refined products, and recommended decisions to the Sea Trial Executive Steering Group (STESG) and 3-star level Technical Oversight Group (TOG) which allowed the Fleet Forces to shape the final decisions on S&T investments.

- Science Advisor, Joint Forces Command (JFCOM), emphasized multi-national data collection and information sharing with industry, academia, DOD, interagency, and multi-national partners leveraging DOD programs and strategies including the NETWARCOM Trident Warrior events, Multi-National Experiment series, Office of the Secretary of Defense (OSD) Coalition Warfare Project, the DOD Multi-National Sharing guidance and Net-Centric Operations Joint Integrating Concept. Chaired, co-sponsored or was on the organizing committee for various

multi-national workshops and conferences including the Technical Cooperation Program Net-Centric Warfare 07 Workshop, Commercial Information Technology for Multi-National Operations and Ad-Hoc Networking against Terrorism and Integrated Sensing and Decision Support Workshop.

- Science Advisor, Commander U. S. Naval Forces Central Command (COMUSNAVCENT), developed, prioritized, and socialized COMUSNAVCENT Technology gaps based on prioritized threat. Issued two Urgent Need Statements for portable machine translators, and for portable chemical, biological, radiological, nuclear, and high yield explosives/Weapons of Mass Destruction (CBRNE/WMD) detector. Drafted and disseminated two Urgent Need Statements to Office of the Chief of Naval Operations (OPNAV)/U.S. Fleet Forces Command (USFFC) for a review of an Anti-Terrorism Force Protection armed Unmanned Surface Vehicle (USV) and for a Laser Dazzler. Initiated action to formalize USN Urgent Need Statement process. Secured Iraq Reconstruction Management Office (IRMO) funds from MG Abt, Director IRMO for Command, control, communications, computing, and intelligence (C4I) Oil Platform Upgrades. Facilitated development of NAVCENT/ONR Iraq Navy S&T Plan. Initiated development of Yemen Coast Guard S&T plan to strengthen Theater Security Cooperation. Provided technical oversight to the ONR TechSolutions Product Acoustic Signature System (PASS), a more reliable and rugged detector for liquid contraband. Initiated efforts to integrate Fast Connectivity for Coalitions and Agents Project (FastC2AP) into NAVCENT Battle Watch. Provided oversight, networking, and consulting for NAVCENT S&T issues.

- Science Advisor, Commander Submarine Forces Atlantic Fleet (COMSUBFOR), developed Undersea Enterprise (USE) S&T challenges content to address Submarine Force needs and socialized it with CNO, Submarine Acquisition Managers, Submarine Fleet Leaders and ONR. Energized Submarine Technology (SUBTECH) influence through numerous one-on-one and group Flag and SES level engagements as well as significant NRE prodding resulting in increases in proposals to ONR in the areas of War Fighter Performance, TechSolutions, Swampworks, Rapid Technology Transitions and Communications. Influenced proposals that met USE needs, had successful FNC influenced future propulsion and electric actuation efforts, in Rapid Technology Transition projects, secured Warfighter Performance, and TechSolutions for Unmanned Aerial Systems and improved Submarine Training. Initiated and matured an independent Technology alignment effort, which starts to identify how well the ONR portfolio aligns with the USE technology needs to ensure the right work is being executed to meet USE needs. Identified Submarine Security needs to enhance world-wide watch for technology that would impact submarine security.

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- Science Advisor, Commander Naval Surface Forces (SURFOR), elevated surface force input for coordinating installation, evaluation and transition of a Defense Advance Research Project Agency (DARPA)/Program Executive Office Ships (PEO-SHIPS) high efficiency lighting project. Principal in Surface Ship Technology Process (SURFTECH), providing the Command's perspective to the Flag IPT. Co-chaired the Anti-Submarine Warfare (ASW) Improvement Program (ASWIP) Sensors Working Group, and SURFOR's advocate/voice for ASWIP. Supports CNSF regarding Littoral Combat Ship, Fleet requirements, and evaluation of candidate concepts of naval relevance. Manages and coordinates the Scientist at Sea Program.

- Science Advisor, Commander Third Fleet (COMTHIRDFLT) (C3F), coordinated and participated in Maritime Homeland Defense exercises for C3F and evaluated new technologies to support Maritime Domain Awareness efforts. Investigated, and coordinated ONR TechSolutions proposal to rapidly prototype an integrated geographic information system (GIS) to enable rapid and sage mine clearance in our military harbors using available technology, fleet and industry collected data, and off-the-shelf software. Developed Concept of Employment and Integrated Assessment Plans for the Joint Multi-Mission Electro Optic System (JMMES) Joint Technology Capability Demonstration (JCTD). Coordinated C3F Sea Trial/Sea Shield Experimentation efforts for the C3F Operational Agent.

- Science Advisor, Commander Sixth Fleet (COMSIXTHFLT) (C6F)/Commander Naval Forces Europe (CNE), established ongoing dialogs with Washington and Systems Command (SYSCOM) principles on Maritime Domain Awareness issues from the U.S. Navy Forces, Europe (NAVEUR) operational area. Emphasize the importance of incorporating “disadvantaged” users where “low barriers to entry” are required; primarily in the developing world. This project not only promotes nation building but could further improve our Command and Control operational picture. Collaboration resulted in endorsement to provision NAVEUR ships with the latest warning technology. Continual involvement in the Maritime Security and Safety Information (MSSIS) resulted in progress with the continual proliferation among European countries; virtually all USN ships in the command’s area of responsibility are Automatic Identification System (AIS) sensor nodes for the network.

- Science Advisor, Commanding General 1st Marine Expeditionary Force (CG I MEF), involved in the Joint Improvised Explosive Devise Defeat Office (JIEDDO) working group in order to assist in the identification of prevention and prediction algorithms to focus 'left of the boom'. Continued Counter Improvised Explosive Device (C-IED) analysis cell, coordinated efforts with Multi-National Force – West (MNF-W) II Marine Expeditionary Force(II MEF), Marine Corp Combat Development Command (MCCDC) and Naval PostGraduate School. Generated a briefing for use by Commandant of the Marine Corps to escalate involvement of industry in production of Mine-Resistant-Armor-Protected (MRAP) vehicles for the USMC in support of their C-IED efforts.

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Documented need of language training resources for "Advisor Teams" being trained here at the MEF, working with USMC Training and Education Command (TECOM), Program Manager for Training Systems (PM TraSys) to accelerate sourcing the solution. Coordinated operational need of 'critical infrastructure' (last mile tactical networking) with HQ Marine Corps, MCCDC and Marine Corps Systems Command.

- Science Advisor, Chief of Naval Operations (CNO) Strategic Studies Group (SSG) Contributed to SSG XXVI team efforts to develop revolutionary war fighting concepts for "Military Operations in Cyberspace in 2030." Facilitated broad technical exchanges among a variety of organizations and the SSG. Proactively identified potential sources of information sought by the Group's Concept Teams (CTs) and played an important role in the development of the Introductory Program by SSG. Established and expanded links with a broad spectrum of government, scientific, academic, and industrial organizations across the nation so that the SSG could benefit from an understanding of their endeavors as they might apply to naval warfare.

- Science Advisor, Commander, U.S. Marine Corps, Atlantic (COMMARFORLANT), continued the development of a Foreign Language and Culture Program (FLCP), evaluated several cultural awareness tools modeled that adapted video gaming technology role playing games. Collaborated with the II Marine Expeditionary Force (IIMEF) Science Advisor in the demonstration, evaluation, training, and fielding of squad level language tools. Worked with MARFORPAC's Experimentation Cell (MEC) on training support for Mojave Viper evolutions at Twentynine Palms. Was a member of the Joint Improvised Explosive Devise Defeat Office (JIEDDO) working group which develops the identification of intelligence sources, potential software packages, social behavior models, and prediction algorithms. Coordinated delivery of Improvised Explosive Device Kwikpoint cards for 24th Marine Expeditionary Unit (MEU). Was the MARFOR S&T representative for the development of the USMC strategy for the acquisition of relevant core non-lethal capabilities which support Irregular Warfare while providing the Marine Air-Ground Task Force (MAGTF) a flexible response to peace enforcement, stability and humanitarian relief operations. Coordinated the efforts of the other ONR Global Science Advisors at I MEF, II MEF, and MARFORPAC to ensure the overall S&T interest of the Marine Corps was optimized.

- Science Advisor, Commander, Naval Air Forces (COMNAVAIRFOR), initiated further development and refinement of an Aircraft Carrier (CVN) Underwater Hull Search Remotely Operated Vehicle (HS-ROV) that provides critical identification of potential underhull threats to Navy high value assets. The HS-ROV is an ONR TechSolutions project and has potential savings to the Navy in shortened time to conduct underwater hull searches as well as eliminating hazards to Navy divers. Initiated development of an Improved Flight Deck Communications System (IFCS) headset that eliminates the high impulse noise environments found on aircraft carriers. IFCS has potential to provide clearer and more coherent communication on the flight deck and thus

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decrease likelihood of a mishap. Initiated the design and development of the CVN Surveillance System (CVN S2) for detection and identification of small boat threats to aircraft carrier strike groups. CVN S2 is an ONR TechSolutions program that provides perimeter day/night surveillance as well as nighttime navigation capability. Initiated the design and development of the Advanced Shipboard Acoustical Communications System (ASACS), a program for Anti-terrorism/Force Protection (AT/FP) close-in perimeter surveillance, communications, and warning system onboard Navy Ships. Reviewed formal requirements for critical warfighter needs and capabilities and articulated these to the S&T community. Identified and coordinated opportunities for senior scientists and engineers to get out to sea on CVN's and observe Fleet operations.

- Science Advisor, Chief of Naval Operations (CNO) Executive Panel (CEP), performed direct support activities to the CEP subcommittees on Latin America and the Navy's Role in Missile Defense, including technology discussions with PMR-51. Led Principal Staff on Defense of the Sea Bed subcommittee, including Federal Advisory Committee Activity (FACA) requirements, integration and liaison with OPNAV N81 (Assessments), Office of the Secretary of Defense (OSD)/Net Assessment, OPNAV N25 and various intelligence agencies. Coordinating technology and strategic level briefings from Defense Advance Research Project Agency (DARPA), U.S. Strategic Command (STRATCOM) and U.S. Northern Command (NORTHCOM). Organized briefers for an Intelligence Day with topics of Anti Satellite (ASAT), Anti Ship Counter Measures (ASCM), and adversary submarine operations and technologies. Coordinating and monitoring the CEP Panel Member's mentoring of the CNO's Strategic Studies Group Cyberspace research.

- Science Advisor, Commanding General 2nd Marine Expeditionary Force (CG II MEF) working with Oak Ridge National Lab, Marine Corps Warfighting Lab (MCWL) on the development of potential solutions to USMC capability gaps. Connected “Weigh-in-Motion” technology from Oak Ridge National Laboratory with requirements from the 2nd Marine Air Wing (2 MAW) and Marine Corps Systems Command (MARFORSYSCOM). Working with ONR's TechSolutions to automate part of the rapid planning process for the Marine Expeditionary Units (MEUs) by leveraging the tasks, conditions, and standards framework in the Automated Exercise and Assessment System (AEAS). Continue to pursue valuable solutions in II MEF experimentation and requirements development by investigation into the “CLEAR” biometrics system. Continue to streamline the II MEF internal Urgent Needs Statement (UNS) process.

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- Science Advisor, Commander, U.S. Marine Corps, Pacific (COMMARFORPAC), collaborated with vendors and the Center for Excellence for Research in Ocean Sciences (CEROS) to review proposals for DARPA funding in an effort to build the Hawaii technical community. Completed work on MARFORPAC's prioritization of the thirteen FY09 Enabling Capabilities most applicable to the Marine Corps to develop rankings that best represent the needs of MARFORPAC in both the U.S. Central Command (CENTCOM) and U.S. Pacific Command (PACOM) theaters. Served as a conduit between TechSolutions and MARFORPAC facilitating potential collaboration.

- Science Advisor, Commander Pacific Fleet (COMPACFLT), improved capabilities across the Pacific Fleet Area of Responsibility (AOR) through rapid technology pull in various mission areas including Maritime Security Operations, Anti-Submarine Warfare (ASW) and Counter-Intelligence Surveillance Reconnaissance (ISR). Engaged S&T, Acquisition, Industry, University, Other Government Agencies and Coalition Partners to emphasize our warfighting gaps and identify possible long-term solutions and collaborative efforts. Submitted a Techsolution request to address a critical warfighting gap associated with Maritime Security Operations (MSO) to provide an Enhanced Maritime Intercept Operations (E-MIO) capability to support intelligent collection, dissemination, analysis and reachback. This solution will develop this capability and deliver to afloat platforms. Acting as Operational Manager and project oversight lead at COMPACFLT for an FY08 proposed JCTD titled Long-Range Multi-mission Optical Sensor (LMOS) which addresses countering adversaries ISR capabilities. In support of Shipyard Innovation, formulated a project regarding application of Nanotechnologies for coatings and paints in an effort to reduce maintenance of shipboard equipment and possibly improve anti-fouling bottom coatings. Continued to focus on engaging leadership involved in improving ASW capabilities to support Pacific AOR wartime contingency plans. Emphasis has been in non-traditional ASW technologies, Fleet Synthetic Training and Distributed Netted Sensors. Participated in Republic of Singapore Navy (RSN) - COMPACFLT staff talks and identified various capabilities for potential RSN - USN Science and Technology collaboration including Vessel Stopping, Maritime Domain Awareness (MDA) Anomaly Detection, Unmanned Arial Vehicle (UAV)'s for Straights of Malacca ISR, and Maritime Security Operations (E-MIO. Naval Post Graduate School (NPS) established three significant research proposals/experiments, in support of PACFLT, focus on Radar Jamming using Digital Radio Frequency Modulation, Cooperative Operations and Applied Science & Technologies Study (COASTS) and Littoral Combat Ship (LCS) Platform Logistics support.

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- Science Advisor, Naval Supply Systems Command (NAVSUP), executed Technology Insertion Program for Savings (TIPS) funded project for Modified Atmosphere Packaging System (MAPS) that will extend shelf life for Fresh Fruits and Vegetables (FFV). Managed Navy Logistics Program (NLP) projects to include, Collaborative Logistics Program (CLP), Aviation Pack-up Kits (A-PUK), Naval Operational Logistics Innovation (NOLI), Defense Integrated Technical Data Center (D-ITDC) and Lead Free Solder. Managed NAVSUP's Small Business Innovation Research (SBIR) projects. Continuing to serve as NAVSUP representative to ONR's Seabasing Future Naval Capability (FNC) Enabling Capabilities (EC) for sense and respond logistics (S&RL). Member of Virtual SYSCOM (VS) Systems Engineering and Technical Authority working group, which accomplished the task of updating the Joint Instruction for Technical Authority, requiring signatures from all five (5) SYSCOM commanders. Leading efforts in NAVSUP to create internal SYSCOM documentation necessary to implement Technical Authority within the command. Continue working collaboratively with Navy Automated Identification Technology (AIT) Office to enable and expand use of AIT applications.

- Science Advisor, Navy Warfare Development Center (NWDC), researched the source and validity on six families of Anti Ship Cruise Missiles (ASCMs) proposed for use in a Surface Warfare Development Group (SWDG) Ship Stationing Tactical Decision Aid tool, funded through the Tactical Development and Evaluation (TAC D&E) program. Provided the identification and assessment of new and emerging technologies for the protection of Iraqi oil platforms in the Northern Arabian Gulf (NAG). Researched and provided analytical support for planned Navy participation in major Air Force exercise – Joint Expeditionary Force Experiment (JEFX) 08. Initiatives supported were Global Maritime Awareness, Networking of Maritime Operations Centers (MOCs), and Maritime Joint Fires. Working issues and researching technologies to support Navy initiative by SWDG and NRL to counter swarming small boat attacks.

- Science Advisor, Naval Criminal Investigation Service/OPNAV (NCIS/N34), leading a joint Navy/Marines/NCIS team to rapidly create and deploy modular, mobile forensics laboratories to theater in the next 18 months, in response to an urgent warfighting capability gap identified by the Central Command. Hosted the second Navy Biometrics Information Exchange Forum to coordinate Navy activities and identify leveraging/collaboration opportunities in Biometrics. Assisted the Naval Research Advisory Committee (NRAC) with its study on Navy Biometrics. Exploring the possibility of a Project Agreement with Singapore on Biometrics data collection and data sharing during Maritime Interdiction Operations.

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- Science Advisor, U. S. Pacific Command (USPACOM), developed strategic plan for Command engagement with the DoD wide S&T community. Developed and executed the outreach program with senior government leadership to explain priority Command operational shortfalls. Established and operated first ever S&T advisory cell to the Deputy Commander consisting of representatives from all Services and DARPA. Cell participated in the strategic exercise "Terminal Fury" and demonstrated the value of closer ties between the Command and the S&T community in solving near term operational problems. Conducted the Pacific Theater Operational Science and Technology Conference that brought together technical and warfighting participants from all over the world to build the relationship between warfighters and researchers. Developed cooperative technology activities with Singapore, Australia, Korea, Malaysia, and Thailand. Established Capabilities Working Group with Singapore that includes Joint Forces Command (JFCOM) and DTRA to stimulate cooperative projects. Facilitated approval of two new technical efforts with US Forces Korea that will enable precise counterfire response to indirect fire and rapid detection of biological agents. Developed new proposal with Singapore to weaponize an unmanned surface vessel. Initiated new relationship with Department of Energy (DOE) lab to help solve Command problems.

- Science Advisor, Commander Submarine Forces Pacific Fleet (COMSUBPAC), developed a summary of Science and Technology needs specific to the missions and likely operational scenarios associated with the Pacific Submarine Command. The plan begins with demonstrating technical challenges and performance short-falls associated with a stressing Western Pacific (WESTPAC) campaign with an attack center crew in a simulated environment provided by the Naval Submarine Training Center Pacific (NSTCP). Submitted three requests to Tech Solutions, Over the horizon target identification for submarines, Improved submarine hull mounted sensors for anti-submarine warfare (ASW) operations, and Beyond-Line-of-Sight Link 16 Track Exchange for Submarines. Work continues to evaluate the feasibility of potential implementation approaches for these solutions and coordinating with ONR and Naval Sea Systems Command (NAVSEA) program managers to develop prototypes for submarine experimentation. Other efforts have focused upon completing projects begun by the previous SUBPAC science advisor, including installation of new bridge radios capable of Digital Selective Calling, distribution of new commercial radar reflectors for enhanced ship safety during surface transits, and monitoring the development of a custom radar reflector prototype as part of an on-going Tech Solutions effort.

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- Science Advisor, Chief of Naval Operations Code N81 (OPNAV N81), synthesized products from think tanks, defense policy experts, intelligence analysts, warfighter, technologists and scientists, to frame S&T in the context of emergent security policy issues. Advised N81 on S&T issues. Led broad-based special studies on Navy vulnerability to future disruptive threats, areas for improvement in campaign and mission analysis modeling, and finding game-changing technologies to target long-range S&T investments. Investigated the potential benefits and limitations of directed energy weapons in the maritime environment. Briefed House Armed Services Committee (HASC) staff on Navy vulnerability to an Electromagnetic Pulse (EMP) attack. Presented technology gaps in areas of future warfighting capability in order to focus long range S&T planning.

- Science Advisor, Fleet Anti-Submarine Warfare Command (FLTASW), primary member of the Navy Mine and Anti-Submarine Warfare Command (NMAWC) Experimentation Working Group which refines the Integrated Priorities Capabilities List (IPCL) for the Navy's ASW capability gaps. Involved in developing the Mine Warfare IPCL, the Full Spectrum Mine Warfare Plan and the World Wide Mine Warfare Concept of Operations. NMAWC lead for assessment and development of the Undersea Warfare Superiority System that follows the Joint Undersea Superiority Study done by the Joint Staff. Led the Independent Critical Recommendation Team (ICRT) review process for cutting edge technologies designed to meet the needs of fleet gaps. Led efforts in the command to develop the technologies for the ASW Mission Package for Littoral Combat Ships (LCS).

Decrease from FY 2007 to FY 2008 reflects S&T initiatives funded during execution (FY 2007) as required.

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C. OTHER PROGRAM FUNDING SUMMARY - NAVY RELATED RDT&E:
PE 0601152N In-House Laboratory Independent Research
PE 0601153N Defense Research Sciences
PE 0602114N Power Projection Applied Research
PE 0602123N Force Protection Applied Research
PE 0602131M Marine Corps Landing Force Technology
PE 0602235N Common Picture Applied Research
PE 0602236N Warfighter Sustainment Applied Research
PE 0602271N RF Systems Applied Research
PE 0602435N Ocean Warfighting Environment Applied Research
PE 0602747N Undersea Warfare Applied Research
PE 0602782N Mine and Expeditionary Warfare Applied Research
PE 0603114N Power Projection Advanced Technology
PE 0603123N Force Protection Advanced Technology
PE 0603235N Common Picture Advanced Technology
PE 0603236N Warfighter Sustainment Advanced Technology
PE 0603271N RF Systems Advanced Technology
PE 0603640M USMC Advanced Technology Demonstration (ATD)
PE 0603727N Navy Technical Information Presentation System
PE 0603729N Warfighter Protection Advanced Technology
PE 0603747N Undersea Warfare Advanced Technology
PE 0603758N Navy Warfighting Experiments and Demonstrations
PE 0603782N Mine and Expeditionary Warfare Advanced Technology

OTHER PROGRAM FUNDING SUMMARY - NON-NAVY RELATED RDT&E:
Not applicable.

D. ACQUISITION STRATEGY:
Not applicable.