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**Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy** **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b>				<b>R-1 ITEM NOMENCLATURE</b>							
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 6: <i>RDT&amp;E Management Support</i>				PE 0605873M: <i>Marine Corps Program Wide Supt</i>							
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	17.225	25.538	18.490	-	18.490	19.453	20.456	21.494	22.587	Continuing	Continuing
0030: <i>Studies &amp; Analysis/MC</i>	6.352	6.586	5.487	-	5.487	6.063	6.671	7.312	7.990	Continuing	Continuing
0033: <i>OT&amp;E Support</i>	3.565	7.944	8.378	-	8.378	8.568	8.763	8.962	9.163	Continuing	Continuing
2330: <i>Chem Bio Consequence Mgmt</i>	3.139	6.661	1.064	-	1.064	1.173	1.292	1.423	1.567	Continuing	Continuing
2930: <i>Phase 0 Activities</i>	4.169	4.347	3.561	-	3.561	3.649	3.730	3.797	3.867	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

This program element (PE) provides the analytical foundation for the Marine Corps Studies System (MCSS), including mandated Mission Area Analyses and Cost and Operational Effectiveness Analyses. The MCSS is the front end of the Marine Corps' acquisition system. This PE also supports the material acquisition process as follows: managing the Marine Corps Operational Test and Evaluations (OT&E); providing Chem Bio Consequence Management of capabilities for Weapons of Mass Destruction (WMD) incident response forces; and conducting Phase 0 activities to investigate potential material solutions that validate needs, program costs, business decisions, and prevent undue delays in pursuing priority requirements.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>
Previous President's Budget	17.721	25.655	25.572	-	25.572
Current President's Budget	17.225	25.538	18.490	-	18.490
Total Adjustments	-0.496	-0.117	-7.082	-	-7.082
• Congressional General Reductions	-	-0.117			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.016	-			
• SBIR/STTR Transfer	-0.380	-			
• Program Adjustments	-	-	-7.076	-	-7.076
• Rate/Misc Adjustments	-	-	-0.006	-	-0.006
• Congressional General Reductions Adjustments	-0.132	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 6: RDT&E Management Support				R-1 ITEM NOMENCLATURE PE 0605873M: Marine Corps Program Wide Supt				PROJECT 0030: Studies & Analysis/MC			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
0030: Studies & Analysis/MC	6.352	6.586	5.487	-	5.487	6.063	6.671	7.312	7.990	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
The Marine Corps Studies System (MCSS) provides oversight on all matters pertaining to studies and operations anaylsis, to include the Quarterly Call for Studies. This includes the nomination process, approval and prioritization, respository maintenance, and announcement of approved studies for execution.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2011	FY 2012	FY 2013	
Title: Studies & Analysis/MC								6.352	6.586	5.487	
Articles:								0	0	0	
Description: Further integrate Operations and Analysis Division (OAD) analytical activities into a responsive, focused program of research and analyses. Studies result from nominations to produce comprehensive and integrated analyses aligned to Senior Leadership's requirements and decision timelines. A 'call' for studies occurs quarterly and is targeted to a particular audience that understands USMC current and future mission requirements and the need the comprehensive analyses that meets the Commandant's Strategic Goals, saves lives, and utilizes funds efficiently.											
FY 2011 Accomplishments: Multi-year study efforts: Joint External Analysis Analytical Support Contract. Professional Staff Analytical Services Contract specialized analysts to assist with JCIDS analyses. Synthetic Theater Operations Research Model (STORM): STORM emerging as important campaign-level analysis model for Joint Analysis community. Marine Corps warfare enhancements under development make STORM more representative of full-spectrum capabilities of joint force meeting the collaboration and integration goals of the Department of Defense (DoD) Modeling & Simulation (M&S) Strategic Vision. Attrition Calibration/ Combat Sample Generator (ATCAL/COSAGE): Design and implement improvements to the COSAGE model improving overall representation of ground combat in joint, combined arms environment. Includes the COSAGE model Phase II online for use with COSAGE production studies. Define and implement software developmental efforts to implement changes improving the representation of "precision munitions" fired from indirect fire shooters in COSAGE. Force Mobility Analysis Support Tool (FMAST III): Commandant chartered a Force Structure Review Group (FSRG) to examine organization, training, and equipping issues associated with task force organization in global security arena. Measures end-strength, training cycle, and dwell-time impacts on the Marine Corps manpower, operations, and support functions. COMBATXXI: MCCDC Behavior Development and Technical Support: Tasked to conduct the Amphibious Combat Vehicle (ACV) AoA. Requires extensive modification of existing scenarios and development of at least one new scenario. Improvised Explosive Device (IED) Detection and Prevention Tool (IDAPT):											

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy		<b>DATE:</b> February 2012	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 6: <i>RDT&amp;E Management Support</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605873M: <i>Marine Corps Program Wide Supt</i>	<b>PROJECT</b> 0030: <i>Studies &amp; Analysis/MC</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>
<p>Develop a multi-attribute decision model to evaluate mixes of infantry anti-armor weapons for both state-on-state warfare (typified by a significant armored threat) and hybrid conflicts (typified by a negligible armored threat)</p> <p>Aviation Crew Seat Ration Model: Develop optimization model for crew capabilities; USMC Unmanned Aerial System (UAS)</p> <p>Cargo Capabilities: Optimizing the Deployment of Cargo Unmanned Aerial Systems in Logistical Support Missions at the Tactical Level.</p> <p>Intelligence Analysis: Provided an assessment tool, given to military personnel in order to screen and assess a person's capacity to perform higher-level cognitive thinking relating to intelligence analysis skills.</p> <p>USMC Counter Battery Radar Capabilities; Command Control (C2) TECOM; Marine Air and Ground (MAGTF) Capabilities Metrics.</p> <p>IED Statistical Research Analysis: Program of data, statistical, geospatial, and text content research and analysis of events in the CIDNE database to assist the U.S. Marine Corps(USMC) Operations Analysis Division (OAD) in managing the threats to Marines deployed in Afghanistan.</p> <p>Command and Control Training and Education Center of Excellence (C2 TECOE) and Marine Air Ground Task Force (MAGTF) Integrated Systems Training Centers (MISTCs) Mission, Tasks, and Structure to Resources Study. Conduct comparative analysis contrasting the C2 TECOE mission and individual and collective training and education tasking, and its organizational structure, with other like training organizations to accurately define and articulate its resource requirements.</p> <p>Naval Engineering Capacity Required to Support Marine Corps Operations Study: Quantify current capacity and requirements of Navy and Marine engineering support to MAGTF operations along with future capacity requirements through 2025. Identified complementary capabilities, gaps, and redundancies of Navy and Marine engineering capacity to support current Marine Corps operation. Provides alternative solutions that shape Navy and Marine engineering capacity to support MAGTF operations from the present state.</p> <p>Cost Comparison between Actual and Flight Time versus Simulator Time Study: Quantify and qualify factors used in real flight time verses simulated flight time cost comparisons and provide a comparison across transitional Marine Corps aircraft that possess a high fidelity training system. The factual data obtained will standardize the information used in developing procurement plans and leadership briefings for the massive increase in simulator infrastructure coming within the Department of the Navy (DON).</p> <p>Command and Control Airborne (C2 (A)) Analysis of Alternatives (AoA): Evaluated operational effectiveness, suitability, cost, and risks of alternatives that satisfy C2(A) capability gaps. Establish baseline for decision-making by gaining visibility into technology drivers and program risks. AoA supports Program Office and Advocacy recommendations to the Milestone Decision Authority (MDA) for Milestone A Review, as well as satisfy Joint Capabilities Integration and Development System (JCIDS) requirements to facilitate development of the Capability Development Document (CDD).</p> <p>Analytical Support Irregular Warfare Analytic Baseline: Continue support currently provided to the following activities: Irregular Warfare Analytic Baseline; Irregular Warfare Cloud Computing; USMC Anti-Armor Mix Analysis; Command and Control TECOE; MISTC's Mission, Tasks and Structure; Close Combat Missile; Enhanced MAGTF Operations; Evaluation COA for Operational</p>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy		<b>DATE:</b> February 2012	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 6: <i>RDT&amp;E Management Support</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605873M: <i>Marine Corps Program Wide Supt</i>	<b>PROJECT</b> 0030: <i>Studies &amp; Analysis/MC</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>
<p>Cultural Learning in the Trans-Sahel; Expeditionary Energy; Requirement and Effectiveness of Role Players in Training Events; CARF Regression Model Development and Validation; Combat Hunter; COAST Afghanistan Improvised Explosive Device and Engagement Area Analysis; Personnel Casualty Data Archival/Analysis; Counter Improvised Explosive Device Effectiveness Assessment; Vehicle Damage and Casualty Rate Analysis; National Defense University Irregular Warfare Model; G/ATOR Key Performance Parameter Validation; and Electronic Warfare Coordination Cell Capability Analysis.</p> <p>Foreign Area Officer (FAO)/Regional Affairs Officer (RAO) Requirement Study: To assess the overall health of the IAOP, a program to which the Marine Corps commits substantial resources (graduate degree funding, reimbursement of relocation expenses, accrued in-country expenses, etc.</p> <p>Depot Maintenance (DM) Core Logistics Capabilities Determination Study: Analyzed the United States Marine Corps (USMC) Core Maintenance Determination process established well defined, executable methodology for determining, establishing and maintaining DM core logistics capabilities,(workforce, support equipment, infrastructure), as required by law, for those weapon systems that support Joint Chiefs of Staff (JCS) contingency scenarios based on Defense Planning Guidance. Identified where in the JCS Core Determination exists and how they track USMC Core Capability.</p> <p><b>FY 2012 Plans:</b></p> <p>Continue efforts initiated in FY 2011 to include: Joint External Analysis Analytical Support Contract. Professional Staff Analytical Services Contract specialized analysts to assist with JCIDS analyses. Synthetic Theater Operations Research Model (STORM): STORM emerging as important campaign-level analysis model for Joint Analysis community. Marine Corps warfare enhancements under development make STORM more representative of full-spectrum capabilities of joint force meeting the collaboration and integration goals of the Department of Defense (DoD) Modeling &amp; Simulation (M&amp;S) Strategic Vision. Attrition Calibration/Combat Sample Generator (ATCAL/COSAGE): Design and implement improvements to the COSAGE model improving overall representation of ground combat in joint, combined arms environment. Includes the COSAGE model Phase III online for use with COSAGE production studies. Define and implement software developmental efforts to implement changes improving the representation of "precision munitions" fired from indirect fire shooters in COSAGE. Force Mobility Analysis Support Tool (FMAST IV): Commandant chartered a Force Structure Review Group (FSRG) to examine organization, training, and equipping issues associated with task force organization in global security arena. Measures end-strength, training cycle, and dwell-time impacts on the Marine Corps manpower, operations, and support functions. COMBAT XXI: MCCDC Behavior Development and Technical Support: Tasked to conduct the Amphibious Combat Vehicle (ACV) AoA. Requires extensive modification of existing scenarios and development of at least one new scenario. Improvised Explosive Device (IED) Detection and Prevention Tool (IDAPT): Develop a multi-attribute decision model to evaluate mixes of infantry anti-armor weapons for both state-on-state warfare (typified by a significant armored threat) and hybrid conflicts (typified by a negligible armored threat).</p> <p>Naval Surface Fire Support:Develop future amphibious doctrine refining the requirements for the amphibious combat vehicle.</p>			
		<b>FY 2013</b>	

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 6: <i>RDT&amp;E Management Support</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605873M: <i>Marine Corps Program Wide Supt</i>	<b>PROJECT</b> 0030: <i>Studies &amp; Analysis/MC</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>
<p>G/ATOR Key Performance Parameter Validation Analysis: Designated a special interest program by the USD(AT&amp;L). MDA recommended an ACAT IC designation for the recently restructured G/ATOR program. To validate G/ATOR Key Performance Parameters in support of ACAT I designation.</p> <p>The Ground Based Air Defense (GBAD) Weapon System Validation Analysis: Low altitude air defense capability for MAGTF, replacing the Stinger Missile System and capable of neutralizing UAVs with a secondary capability against cruise missiles (CMs) and manned rotary and fixed wing aircraft. Requires study to determine the necessary Probability of Kill (Pk) to counter single, multiple and swarm UAVs.</p> <p>Persistent Intelligence, Surveillance, and Reconnaissance Sensing Investment/Divestment Strategy (PISR): Facilitate the ongoing PISR and follow-on requirements documentation. Study to assess the ability of future MAGTF's organic ISR capabilities to support Marine Corps requirements identified in the Marine Corps Service Campaign Plan and POM-14 CMC Guidance and consider the future operating environment identified in the Marine Corps Intelligence Activity Long Range Threat Assessment 2008-2028 and model this against POM-14 Defense Planning Scenarios and Marine Corps approved vignette.</p> <p>Initiate new studies based on USMC requirements and directed by Assistant Commandant, Marine Corps. Initiate the high priority studies and analyses projects approved in the FY2012 - FY2013 Marine Corps Studies System Master Plan (MCSSMP).</p> <p><b>FY 2013 Plans:</b></p> <p>Continue efforts initiated in FY 2011 to include: Joint External Analysis Analytical Support Contract. Professional Staff Analytical Services Contract specialized analysts to assist with JCIDS analyses. Synthetic Theater Operations Research Model (STORM): STORM emerging as important campaign-level analysis model for Joint Analysis community. Marine Corps warfare enhancements under development make STORM more representative of full-spectrum capabilities of joint force meeting the collaboration and integration goals of the Department of Defense (DoD) Modeling &amp; Simulation (M&amp;S) Strategic Vision. Planned Attrition Calibration/Combat Sample Generator (PACCAL/COSAGE): Design and implement improvements to the COSAGE model improving overall representation of ground combat in joint, combined arms environment. Includes the COSAGE model Phase IV online for use with COSAGE production studies. Define and implement software developmental efforts to implement changes improving the representation of "precision munitions" fired from indirect fire shooters in COSAGE. Force Mobility Analysis Support Tool (FMAST V): Commandant chartered a Force Structure Review Group (FSRG) to examine organization, training, and equipping issues associated with task force organization in global security arena. Measures end-strength, training cycle, and dwell-time impacts on the Marine Corps manpower, operations, and support functions. COMBATXXI: MCCDC Behavior Development and Technical Support: Tasked to conduct the Amphibious Combat Vehicle (ACV) AoA. Requires extensive modification of existing scenarios and development of at least one new scenario. Persistent Intelligence, Surveillance, and Reconnaissance Sensing Investment/Divestment Strategy (PISR): Facilitate the ongoing PISR and follow-on requirements documentation. Study to assess the ability of future MAGTF's organic ISR capabilities to support Marine Corps requirements identified in the Marine Corps Service Campaign Plan and POM-14 CMC Guidance and consider the future operating environment</p>			

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 6: <i>RDT&amp;E Management Support</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605873M: <i>Marine Corps Program Wide Supt</i>	<b>PROJECT</b> 0030: <i>Studies &amp; Analysis/MC</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>
identified in the Marine Corps Intelligence Activity Long Range Threat Assessment 2008-2028 and model this against POM-14 Defense Planning Scenarios and Marine Corps approved vignette. Support studies and analyses approved for execution in annual Marine Corps Studies System Master Plan (MCSSMP) includes: mandated Mission Area Analyses (MAAs), Milestone A, and Pre-Milestone A (Conceptual) Analysis of Alternatives (AoAs), technology assessments, force structure analysis, weapons systems analysis, concept development and analysis, logistics, feasibility and cost benefits, training assessments, and scenario development. Supports Marine Corps Logistics, the Expeditionary Force Development System (EFDS), and Combat Development Process (CDP). Mission Area Analyses (MAA) provides quantitative and qualitative information utilized by decision makers to initiate improvements in operational concepts, doctrine, force structure, education, training, and procurement.			
<b>Accomplishments/Planned Programs Subtotals</b>		6.352	5.487
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A			
<b>D. Acquisition Strategy</b> N/A			
<b>E. Performance Metrics</b> Provide analytical documentation and support to decision makers for resolution of current and future issues identified by operating forces. Utilize Marine Corps Research University and Naval Post Graduate School to conduct studies and analysis projects in basic and applied research and advanced technology development. Provide funds to the Naval Sea Systems Command (NAVSEA) for direct support, technical analyses, and liaison services to assure a sound bridge between the Marine Corps' role in defining Expeditionary Warfare Specialist (EXW)/Seabasing requirements and the SEA 05 role for Future Concepts and Ships Designs for amphibious ships/aircraft, Maritime Prepositioning Force (Future)(MPF (F)), High Speed Connectors, and related systems. Space and Naval Warfare Systems Center (SPAWAR) funded to support Naval Assessment Program to modify and upgrade all DoN war fighting, crisis response and support capabilities and vulnerabilities and provide baseline of future capabilities. Baseline analysis supports Mission Capability Packages (MCPs), Investment Strategy, Joint Capability Areas (JCAs), and the Naval Strategic Plan providing the DoN assessments for future force development.			

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 6: RDT&E Management Support				R-1 ITEM NOMENCLATURE PE 0605873M: Marine Corps Program Wide Supt				PROJECT 0033: OT&E Support			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
0033: OT&E Support	3.565	7.944	8.378	-	8.378	8.568	8.763	8.962	9.163	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**

The Marine Corps Operational Test and Evaluation Activity (MCOTEA) supports the material acquisition process by managing the Marine Corps Operational Test (OT) programs for Acquisition Categories (ACAT) I through ACAT IV (less OT of manned aircraft) and performs other functions that may be directed by the Commandant of the Marine Corps. The primary purpose of Operational Test and Evaluation (OT&E) is to provide information to the Milestone Decision Authority (MDA) regarding the Operational Effectiveness (OE) and Operational Suitability (OS) of the system addressed at a decision point. MCOTEA must ensure that the Marines in the Operating Forces receive the very best possible equipment and support. MCOTEA must also ensure each system proposed for acquisition is tested adequately, evaluated objectively and reported independently.

Marine Corps Operational Test and Evaluation Activity (MCOTEA) is the only unit that provides the Marine Corps with required operational test and evaluation (OT&E) capability, ensuring the Marine Corps is compliant with laws and regulations, and ensuring that training and equipment are operationally effective, relevant, and suitable. Additionally, MCOTEA's early involvement, coordination, and oversight in developmental testing and evaluation of new combat and combat support systems ensures that our Marines are the best trained, and have the best equipment, with the lowest test costs for taxpayers. Finally, MCOTEA's support of rapid acquisitions ensures that Marines in the fight are supported with the newest and most advanced equipment and that the Marine Corps is compliant with regulations.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> MCOTEA	3.565	4.279	8.378
<b>Articles:</b>	0	0	0
<b>FY 2011 Accomplishments:</b> DOT&E/DON Policy initiatives broaden MCOTEA involvement in: focusing on starting early, being operationally realistic, and continuing throughout life cycle during the Operational and testing evaluation and will be Integrating Developmental and Operational Testing with Greater participation in Developmental Tests and RAM scoring conferences. Also experimenting to learn impacts on capabilities. MCOTEA also plans on Evaluating mission context at time of fielding and Capabilities Testing while expanding use of Modeling & Simulation.			
<b>FY 2012 Plans:</b> MCOTEA will be evaluating, quantifying and reporting the operational effectiveness, suitability, and survivability of planned acquisitions to meet warfighter capabilities and will be providing Milestone Decision Authority (MDAs) a comprehensive understanding of operational risk associated with ACAT programs.			
<b>FY 2013 Plans:</b>			

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>
MCOTEA will be evaluating, quantifying and reporting the operational effectiveness, suitability, and survivability of planned acquisitions to meet warfighter capabilities and will be providing Milestone Decision Authority (MDAs) a comprehensive understanding of operational risk associated with ACAT programs.			
<b>Title:</b> MCOTEA ENHANCEMENT  <b>FY 2012 Plans:</b> Implement internal professional staff test and evaluation capability upgrades with advanced training in special testing methodologies. This will increase the critical in-house capability to determine unique testing sciences and evaluation methodologies needed for efficacy in tests and evaluations of urgent in-theater capabilities. Some examples are specialized day and night optics technologies; and specialized electronic tests for communications and computer applications in command and control areas. MCOTEA's support of rapid acquisitions ensures that Marines in the fight are supported with the newest and most advanced equipment and that the Marine Corps is compliant with regulations.		<b>Articles:</b>  -	3.665 0
<b>Accomplishments/Planned Programs Subtotals</b>		3.565	7.944
<b>C. Other Program Funding Summary (\$ in Millions)</b>			
N/A			
<b>D. Acquisition Strategy</b>			
N/A			
<b>E. Performance Metrics</b>			
N/A			



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APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 6: RDT&E Management Support				R-1 ITEM NOMENCLATURE PE 0605873M: Marine Corps Program Wide Supt				PROJECT 2330: Chem Bio Consequence Mgmt			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
2330: Chem Bio Consequence Mgmt	3.139	6.661	1.064	-	1.064	1.173	1.292	1.423	1.567	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**

The Family of Incident Response Systems (FIRS) consists of equipment, systems, and services designed to provide Weapons of Mass Destruction (WMD) incident response forces the capabilities needed to effectively respond to a terrorist attack using Chemical, Biological, Radiological, Nuclear, and High-Yield Explosives (CBRNE). The Family of Incident Response Systems meets the mission requirements for the detection; mass casualty decontamination; force protection; responder inter-agency interoperability; C4I; urban search and rescue; medical and general support requirements needed by these forces to mitigate the effects of a CBRNE terrorist attack. The Family of Incident Response Systems relies primarily on Commercial Off-The-Shelf/Non-Developmental Items (COTS/NDI) equipment and systems that meet the particular mission requirements of Consequence Management (CM). Nuclear, Biological, and Chemical (NBC) systems are adopted if they meet the CM mission requirements. The Family of Incident Response Systems (FIRS) R&D effort allows the program to keep abreast of emerging technologies in the commercial sector and address operational capability gaps that cannot be met by commercial items.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> *FIRS: Reconnaissance Mission Area.  <b>Articles:</b>  <b>FY 2011 Accomplishments:</b> FIRS: Reconnaissance Mission Area includes: 1) completed the assessment of emerging technologies for Toxic Industrial Chemical detection and identification in conjunction with the Department of Homeland Security and the Technical Support Working Group (TSWG); 2) continued the transition of a Field Chemical Analytical Tool (GC/MS); and 3) continued the development and testing of the Chemical Biological Incident Response Force (CBIRF) Standoff Chemical Agent Detector.  <b>FY 2012 Plans:</b> FIRS: Reconnaissance Mission Area includes: 1) begin to field test the person portable Gas Chromatograph Mass Spectrometer (GC/MS); 2) complete the development and testing of the Chemical Biological Incident Response Force (CBIRF) Standoff Chemical Agent Detector (SCAD); and 3) begin development of next generation field detectors.  <b>FY 2013 Plans:</b> FIRS: Reconnaissance Mission Area includes: complete field testing the person portable Gas Chromatograph Mass Spectrometer (GC/MS).	1.435 0	3.910 0	0.511 0
<b>Title:</b> *FIRS: Search and Rescue (SAR) Mission Area.  <b>Articles:</b>	0.150 0	-	-

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APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 6: RDT&E Management Support	R-1 ITEM NOMENCLATURE PE 0605873M: Marine Corps Program Wide Supt	PROJECT 2330: Chem Bio Consequence Mgmt		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013
FY 2011 Accomplishments: FIRS: Search and Rescue (SAR) Mission Area includes: 1) completed the evaluation of SAR HazMat boots that can be decontaminated 2) completed evaluation of Commercial Off the Shelf (COTS) and emerging SAR tools.				
Title: *FIRS: Decontamination Mission Area  Articles:		0.200 0	-	-
FY 2011 Accomplishments: FIRS: Decontamination Mission Area includes: 1) completed the development and evaluation of improved mass casualty decon equipment (flash heaters) and procedures.				
Title: *FIRS: C4I Mission Area.  Articles:		0.150 0	-	-
FY 2011 Accomplishments: FIRS: C4I Mission Area includes: 1) completed technology assessments; 2) completed field user evaluations; and 3) completed development of prototypes.				
Title: *FIRS: Force Protection Mission Area  Articles:		1.004 0	2.751 0	0.553 0
FY 2011 Accomplishments: FIRS: Force Protection Mission Area includes: 1) completed the transition of the Improved Level A Protective Ensemble developed in concert with Technical Support Working Group (TSWG); 2) continued the development and validation of an electronic filter matrix from military and commercial filter testing data; 3) completed the testing and evaluation of a hydration system in conjunction with the Army; 4) completed the testing and evaluation of the M-53 mask as a system with Commercial Self Contained Breathing Apparatus and Powered Air Purifying Respirators; and 5) began development of a new breathable lightweight chemical biological protective undergarment to NFPA Class 3.				
FY 2012 Plans: FIRS: Force Protection Mission Area includes: 1) complete testing and certification of the next generation Improved Chemical Garment (NFPA Class 2); 2) begin the testing of a new breathable lightweight chemical biological protective undergarment to NFPA Class 3; 3) complete testing of the universal hose connection between the M53 mask and COTS existing commercial Powered Air Purifying Respirators; and 4) begin development of a new positive/negative pressure adaptable mask.				
FY 2013 Plans:				

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy							<b>DATE:</b> February 2012				
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 6: <i>RDT&amp;E Management Support</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 0605873M: <i>Marine Corps Program Wide Supt</i>			<b>PROJECT</b> 2330: <i>Chem Bio Consequence Mgmt</i>					

  

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>				<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
FIRS: Force Protection Mission Area includes: 1) complete the testing of a new breathable lightweight chemical biological protective undergarment to NFPA Class 3; and 2) complete development of a new positive/negative pressure adaptable mask.						
<b>Title:</b> *FIRS: Medical Mission Area  <div style="text-align: right;"><b>Articles:</b></div>				0.200 0	-	-
<b>FY 2011 Accomplishments:</b> FIRS: Medical Mission Area includes: 1) complete the development of a standoff patient triage tool.						
<b>Accomplishments/Planned Programs Subtotals</b>				3.139	6.661	1.064

  

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u> <u>Base</u>	<u>FY 2013</u> <u>OCO</u>	<u>FY 2013</u> <u>Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• 652200: <i>Field Medical Equipment-FIRS</i>	3.273	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	140.379

  

<b>D. Acquisition Strategy</b> N/A
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<b>E. Performance Metrics</b> N/A
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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 6: RDT&E Management Support				R-1 ITEM NOMENCLATURE PE 0605873M: Marine Corps Program Wide Supt				PROJECT 2930: Phase 0 Activities			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
2930: Phase 0 Activities	4.169	4.347	3.561	-	3.561	3.649	3.730	3.797	3.867	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
Phase A (previously known as Phase 0) Activities consist of a series of interrelated activities of the acquisition process designed to investigate potential material solutions to validate needs, estimate program costs, support sound business decisions, correct inherent disconnects between the Programming, Planning, Budgeting and Execution (PPBE) cycle, the Combat Development and Acquisition Management Systems, and prevent undue delays in pursuing priority requirements. The process supports Commanding General (CG), MCCDC and Commander, Marine Corps Systems Command (COMMARCORSYSCOM) by providing funding to priority programs, thus allowing for the examination of concepts and alternatives to support an orderly transition from requirements to initiatives and initiatives to funded programs. This will permit the POM process to focus on activities of evaluating, prioritizing and integrating rather than defining and resolving raw, immature requirements.											
Phase A activities "jump start" high priority programs of the acquisition process. Furthermore, since 70% of a program's life cycle cost is determined during Phase A, this initiative will put resources to work where the return on investment is the greatest. Typical studies conducted on Phase A activities include, but are not limited to Market Surveys, Business Case Analysis (BCA), Cost as an Independent Variable (CAIV) analysis, Life Cycle Cost Estimates, Cost Comparison Analysis, Acquisition Strategies, and Trade-off Analysis in lieu of an Analysis of Alternatives.											
To satisfy the emerging requirements, the Deputy Commandant for Combat Development is leading the Marine Expeditionary Force Future Vehicle (MEFFV) effort to conduct Joint Capability Integration and Development System analysis to establish a capabilities framework specifically tailored to assess technologies for transition to the Marine Air Ground Task Force (MAGTF. MEFFV efforts are directed at capability refinement and integration, analysis of multiple concepts, determining technology objectives, and continued development of Initial Capabilities Documents (ICDs) and Capabilities Development Documents supporting "spin-out" technology transitions. This budget item supports combat development activities supporting the three Marine Requirements Oversight Council (MROC) priorities in compliance with JROC and USD AT&L guidance to participate in a Joint Program with the Army's Future Combat Systems Program.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2011	FY 2012	FY 2013	
Title: *Phase A Activities								4.169	4.347	3.561	
Articles:								0	0	0	
FY 2011 Accomplishments: Phase A Activities - Initiate, assist and complete Phase A activities of high priority programs during their concept refinement and in some cases their technology development phases in the areas of Business Case Analysis, Trade Studies, Economic Analysis, Life Cycle Cost Estimates and Market Research Studies in support of the following efforts: Electronic Records Management, Net Enabled Command Capability, Target Processing, Ground Based Air Defense, Ground Based Operational Surveillance, Optical											

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy		<b>DATE:</b> February 2012	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 6: <i>RDT&amp;E Management Support</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605873M: <i>Marine Corps Program Wide Supt</i>	<b>PROJECT</b> 2930: <i>Phase 0 Activities</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>
Systems, Route Reconnaissance and Clearance, Mortar Fire Control and Indirect Fire, Ground Radio and Maintenance and the Squad Immersive Training Environment.			
<b>FY 2012 Plans:</b> Phase A Activities - Initiate, assist and complete Phase A activities of high priority programs during their concept refinement and in some cases their technology development phases in the areas of Business Case Analysis, Trade Studies, Economic Analysis, Life Cycle Cost Estimates and Market Research Studies in support of the following efforts: Networking On-The-Move, Targeting Studies and Analysis, Tank Reset and Sustainment, AAVC7, Autonomic Logistics, Visual Info Systems and Medium Tactical Replacement Vehicle configuration.			
<b>FY 2013 Plans:</b> Phase A Activities - Initiate, assist and complete Phase A activities of high priority programs during their concept refinement and in some cases their technology development phases in the areas of Business Case Analysis, Trade Studies, Economic Analysis, Life Cycle Cost Estimates and Market Research Studies in support of the following efforts: Combat Operations Center (COC) and COC Green Initiatives, Networking On-The-Move, Low Altitude Air Defense Integrated Picture, Data Fusion and Dissemination, HMMWV Survivability, Logistics Support Tools, Next Generation Automated Test System, and Command and Control Airborne.			
<b>Accomplishments/Planned Programs Subtotals</b>		4.169	4.347
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A			
<b>D. Acquisition Strategy</b> N/A			
<b>E. Performance Metrics</b> N/A			