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**Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Office of Secretary Of Defense** **DATE:** February 2010

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 6: <i>RDT&amp;E Management Support</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605161D8Z: <i>Nuclear Matters</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	4.331	6.422	6.264	0.000	6.264	6.360	6.506	6.667	6.877	Continuing	Continuing
P161: <i>Nuclear Matters</i>	4.331	6.422	6.264	0.000	6.264	6.360	6.506	6.667	6.877	Continuing	Continuing

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

The purpose of the Nuclear Matters program, formerly called Counterproliferation Support, is to sustain the U.S. nuclear deterrent posture. The funds for this program are used to support research, development, test and evaluation efforts as well as studies and analyses for nuclear weapons security; use control; nuclear weapons stockpile safety, survivability and performance; and office management. Funds are also used to develop and implement plans for stockpile transformation; infrastructure analyses and assessments; DoD-NNSA Nuclear Weapons Council activities, as mandated by Title 10 USC, section 179; radiological and nuclear emergency response efforts; and manage international programs of nuclear cooperation, particularly with respect to enhancing international nuclear safety and security and office management. In fiscal year 2004, this program incorporated additional responsibility for policy development and implementation, and operations and oversight of nuclear weapons physical security and Personnel Reliability Programs for the protection of tactical, fixed and nuclear weapons systems, DoD personnel and DoD facilities.

**B. Program Change Summary (\$ in Millions)**

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	4.451	6.474	0.000	0.000	0.000
Current President's Budget	4.331	6.422	6.264	0.000	6.264
Total Adjustments	-0.120	-0.052	6.264	0.000	6.264
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.111	0.000			
• Other Program Adjustments	-0.009	-0.052	6.264	0.000	6.264

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**APPROPRIATION/BUDGET ACTIVITY**  
0400: *Research, Development, Test & Evaluation, Defense-Wide*  
BA 6: *RDT&E Management Support*

**R-1 ITEM NOMENCLATURE**  
PE 0605161D8Z: *Nuclear Matters*

**Change Summary Explanation**

The FY 2010-2015 POM was reprogrammed to provide greater oversight and analysis of enterprise-wide nuclear surety efforts that impact the Department's nuclear deterrent capability. A reduction in PE 0605384BP funding reflects the additional funding in this PE.

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**Exhibit R-2A, RDT&E Project Justification:** PB 2011 Office of Secretary Of Defense **DATE:** February 2010

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 6: <i>RDT&amp;E Management Support</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605161D8Z: <i>Nuclear Matters</i>	<b>PROJECT</b> P161: <i>Nuclear Matters</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
P161: <i>Nuclear Matters</i>	4.331	6.422	6.264	0.000	6.264	6.360	6.506	6.667	6.877	Continuing	Continuing
Quantity of RDT&E Articles											

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

The purpose of the Nuclear Matters program, formerly called Counterproliferation Support, is to sustain the U.S. nuclear deterrent posture. The funds for this program are used to support research, development, test and evaluation efforts as well as studies and analyses for nuclear weapons security; use control; nuclear weapons stockpile safety, survivability and performance; and office management. Funds are also used to develop and implement plans for stockpile transformation; infrastructure analyses and assessments; DoD-NNSA Nuclear Weapons Council activities, as mandated by Title 10 USC, section 179; radiological and nuclear emergency response efforts; and manage international programs of nuclear cooperation, particularly with respect to enhancing international nuclear safety and security and office management. In fiscal year 2004, this program incorporated additional responsibility for policy development and implementation, and operations and oversight of nuclear weapons physical security and Personnel Reliability Programs for the protection of tactical, fixed and nuclear weapons systems, DoD personnel and DoD facilities.

**B. Accomplishments/Planned Program (\$ in Millions)**

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Nuclear Weapons Council (NWC) and Committee of Principals (CoP) <i>FY 2009 Accomplishments:</i> - Provided oversight of NWC activities regarding the development of a responsive infrastructure for stockpile support. - Continued to manage the activities of the Congressionally mandated Joint DoD-DOE Nuclear Weapons Council and its support committees to include the Nuclear Weapons Council Standing and Safety Committee, the Compartmented Advisory Committee and the Action Officer group. - Prepared, staffed, and submitted annual reports to the President and the Congress to include the FY 2009-2015 Nuclear Weapons Stockpile Memorandum and Requirements Planning Document, FY	1.050	1.050	1.010	0.000	1.010

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<b>B. Accomplishments/Planned Program (\$ in Millions)</b>						
		<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
<ul style="list-style-type: none"> <li>- Oversee the development of next-generation delivery systems.</li> <li>- Complete stockpile transformation plans.</li> <li>- Continue to support new Task Forces for strategic systems.</li> <li>- Continue to maintain and exercise a nuclear enterprise model for DoD.</li> <li>- Continue to provide technical support to maintain strategic materials and nuclear power systems.</li> <li>- Continue to develop a technical analytical capability for making critical decisions regarding the nuclear enterprise.</li> <li>- Continue to conduct analysis of possible warhead replacements using modeling and simulation tools.</li> </ul>						
Survivability and Weapons of Mass Destruction (WMD)		0.480	1.170	1.180	0.000	1.180
<i>FY 2009 Accomplishments:</i> <ul style="list-style-type: none"> <li>- Continued planning and coordinating the activities of the National Nuclear Forensics Steering Committee and Working Group.</li> <li>- Published a DoD directive to govern post-detonation nuclear forensics activities.</li> <li>- Continued to develop OSD-wide approach to overseeing Global Nuclear Defense missions within DoD.</li> <li>- Provided oversight on the integration of all DoD nuclear defense capabilities in support of the Global Nuclear Defense Initiative.</li> <li>- Developed the acquisition strategy for DoD Combating Weapons of Mass Destruction requirements.</li> <li>- Provided direction for DoD and OSD preparations to train for response actions, under DoDD 3150.8, "DoD Response to Radiological Accidents.</li> <li>- Maintained the office Go-Kit and classified website to enhance coordination in the event of a nuclear weapon accident.</li> <li>- Directed and coordinated the activities of the NCCS Committee of Principals Subcommittee on Nuclear Weapon Accident Incident Response and the Policy Working Group.</li> <li>- Implemented new DoD directive for Chemical Biological, Radiological, and Nuclear Survivability Policy and stand up the Senior Oversight Group (SOG).</li> </ul>						

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<b>B. Accomplishments/Planned Program (\$ in Millions)</b>								
				<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
<ul style="list-style-type: none"> <li>- Continued to oversee DoD/DOE relationship regarding the survivability and surety of the national nuclear stockpile.</li> <li>- Continued as DoD Sigma 15 Approval Authority (Interface with DOE/NNSA).</li> <li>- Continued to address/process Freedom of Information Act and Mandatory Declassification Requests.</li> </ul> <p><i>FY 2010 Plans:</i></p> <ul style="list-style-type: none"> <li>- Submit annual reports to the President and the Congress.</li> <li>- Continue to oversee DoD/DOE relationship regarding the survivability and surety of the national nuclear stockpile.</li> <li>- Continue as DoD Sigma 15 Approval Authority (Interface with DOE/NNSA).</li> <li>- Continue to address Freedom of Information Act and Mandatory Declassification Requests.</li> <li>- Establish a means to provide nuclear technical expertise to senior advisory groups.</li> <li>- Establish a program to promote nuclear enterprise awareness and outreach.</li> </ul> <p><i>FY 2011 Base Plans:</i></p> <ul style="list-style-type: none"> <li>- Submit annual reports to the President and the Congress.</li> <li>- Continue to oversee DoD/DOE relationship regarding the survivability and surety of the national nuclear stockpile.</li> <li>- Continue as DoD Sigma 15 Approval Authority (Interface with DOE/NNSA).</li> <li>- Continue to address Freedom of Information Act and Mandatory Declassification Requests.</li> <li>- Propose technical solutions to address nuclear capability gaps and warfighter requirements.</li> </ul>								
Accomplishments/Planned Programs Subtotals				4.331	6.422	6.264	0.000	6.264
<b>C. Other Program Funding Summary (\$ in Millions)</b>								
N/A								
<b>D. Acquisition Strategy</b>								
N/A								

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**E. Performance Metrics**

Success in this area is measured by compliance with various statutes and DoD directives that govern the conduct of the affairs within the Office of DATSD(Nuclear Matters). Success is also measured by the currency of information and usability of the website, timeliness and responsiveness of reports due to Congress, performance in various response exercises, and feedback from a number of senior-level government organizations that DATSD(Nuclear Matters) supports.

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