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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)						Date: February 2005		
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense Wide/BA 3					R-1 ITEM NOMENCLATURE Counterproliferation Support, PE 0605160D8Z			
COST (In Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total Program Element (PE) Cost	1.793	11.813	0.000	0.000	0.000	0.000	0.000	0.000
Nuclear Matters/P476	1.793	11.813	0.000	0.000	0.000	0.000	0.000	0.000

(U) **A. Mission Description and Budget Item Justification**

(U) **BRIEF DESCRIPTION OF ELEMENT**

(U) Effective October 1, 2005, funding for this program will move from PE 0605160D8Z (Counterproliferation Support) Budget Activity 3, to PE 0605161D8Z (Nuclear Matters-Physical Security) in Budget Activity 6. The purpose of the Counterproliferation Support program, commonly called *Nuclear Matters*, 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. 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. 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.

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Nuclear Matters/P476	1.793	11.813	0.000	0.000	0.000	0.000	0.000	0.000

(U) Project Number and Title: P476 Nuclear Matters

(U) PROGRAM ACCOMPLISHMENTS AND PLANS

(U) FY 2004 Accomplishments:

(U) Nuclear Weapons Security, Use Control, and Safety (\$0.538 million)

- Conducted OSD oversight and provided directions for actions conducted under DoDD 3150.2 such as implementation of Inter-Regional Deployment Safety Rules and DoDD 3150.2-M, "DoD Nuclear Weapons Safety Program," DoDD 5210.42, "Nuclear Weapons PRP", and DoDI S-5210.82, "Protection of Nuclear Coding Equipment."
- Initiated the updating and documentation of DoD policy, responsibilities, and procedures in DoD publications. These actions included DoDD S-3150.7, "Controlling the Use of Nuclear Weapons," DoDD 3150.3, "Nuclear Forces Security & Surety" and DoDD 5210.41 and 5210.41-M, "Physical Security of Nuclear Weapons."
- Initiated actions to reflect the assumption of the additional assigned responsibilities for nuclear weapons security and personnel reliability, and for National Security Policy Decision-28 implementation.

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- Conducted assessment on Nuclear Force Protection in response to Presidential Memorandum and Strategic Planning Guidance (2006-2011).
- Managed the protection of classified nuclear weapons information including access to and dissemination of Restricted Data, as mandated by Enclosure 5, DoDD 5210.2, "Access to and Dissemination of Restricted Data".
- Continued as DoD Sigma 14/15 Approval Authority (Interface with DOE/NNSA).
- Actioned Freedom of Information Act and Mandatory Declassification Requests.
- As OSD sponsor, supported the operations of the Joint Advisory Committee on Nuclear Weapons Surety (JAC).

(U) Stockpile Performance and Survivability (\$0.448 million)

- Conducted life cycle activities in support of the nuclear weapons stockpile under DoDD 3150.1, "Nuclear Weapons Life Cycle" and DODI 5030.55, "DoD Procedures for Joint DoD-DOE Nuclear Weapons Life Cycle Activities."
- Managed DoD RDT&E activities for nuclear warheads to include B61, W76, W78, W62, W80 and W88 Weapons. Specifically, continued to support joint nuclear weapons feasibility and design definition and cost studies (Phase 6.2/2A) for the B61 and development and engineering projects (Phase 6.3) for the B83 and W76 warheads.
- Initiated the updating and documentation of DoD policy, responsibilities, and procedures in DoDD 3150.3. "Nuclear Weapons Security and Survivability."
- Supported the actions of the Defense Science Board (DSB) Task Force on Clandestine Nuclear Attack and the Task Force on Nuclear Weapons Effects Simulators/Simulation.

(U) Nuclear Weapons Council (\$0.305 million)

- Managed 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 2004-2012 Nuclear Weapons Stockpile Memorandum and Requirements Planning Document, FY 2004 Annual Certification Report, FY 2004 Annual Surety Report and the FY 2004 NWC Report to Congress.
- Conducted site visits to several nuclear weapons complex sites for individuals within the nuclear weapons community including senior DoD/DOE officials.

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(U) Stockpile Transformation and Infrastructure (\$0.233 million)

- Supported the transformation activities to begin movement from a nuclear only to nuclear/non-nuclear TRIAD and implementation actions like the Strategic Capabilities Assessment.
- Supported conduct of feasibility study for the Robust Nuclear Earth Penetrator (Phase 6.2) and the provision of requested information to the Congress.
- Acted as DoD focal point for Pit Manufacturing activities in the DOE weapons production complex.
- Supported the actions of the DSB Task Force on Strategic Strike Skills.
- Initiated analyses to assess the future of the nuclear weapon stockpile.
- Continued to develop and implement a Nuclear Matters knowledge system to help preserve nuclear weapons information for operational improvements and continuity.

(U) Radiological and Nuclear Emergency Response (\$0.179 million)

- Conducted DoD oversight and provided direction for DoD preparations to train for response actions in the event of a nuclear weapon accident under DoDD 3150.8, "DoD Response to Radiological Accidents.
- Prepared and participated in exercises Diligent Endeavor 2004 and Diligent Warrior 2004.
- Continued and completed actions to update DoDD 3150.8-M, "Nuclear Accident Response Procedures (NARP)."
- Conducted OSD oversight for actions conducted under DoDD 3150.5, "DoD Response to Improvised Nuclear Devices (IND) Incidents".
- Supported homeland defense initiatives to develop Interim National Response Plan (INRP) and the National Response Plan (NRP).

(U) International Programs (\$0.090 million)

- Supported and participated in NATO nuclear weapon policy and oversight groups to include the High Level Group (HLG) and the Joint Theatre Surety Management Group (JTSMG).

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- Continued to implement DoDD 5030.14, "Disclosure of Atomic Information to Foreign Governments and Regional Defense Organizations."
- Continued to support and participate with the UK under 1957 Mutual Defense Agreement.
- Continued to support US-Russia Nuclear Warhead Safety and Security bilateral activities.
- Continued to support US-France Nuclear Warhead Safety and Security bilateral activities.

(U) FY 2005 Plans:

(U) Nuclear Weapons Security, Use Control, and Safety (\$9.450 million)

- Initiate a physical security equipment RDT&E program that supports the protection of tactical and fixed nuclear weapons systems, DoD personnel and their facilities.
- Develop physical security equipment/systems that meet Service's nuclear security requirements in the areas of Interior and Exterior Detection/Surveillance, Delay/Denial, Entry Control, Common Operating Picture, Tactical Systems and Airborne Intrusion.
- Conduct OSD oversight and provide directions for actions conducted under DoDD 3150.2 , DoDD 3150.2-M, "DoD Nuclear Weapons Safety Program, and DoDI S-5210.82, "Protection of Nuclear Coding Equipment," DoDD 5210.41 and 5210.41-M, "Physical Security of Nuclear Weapons.
- Initiate or continue the updating and documentation of DoD policy, responsibilities, and procedures in DoD publications to include DoDD S-3150.7, "Controlling the Use of Nuclear Weapons", DoDD 3150.3, "Nuclear Forces Security & Surety" and "DoDD 5210.42, "Nuclear Weapons PRP."
- Continue actions for nuclear weapons security and personnel reliability, and for National Security Policy Decision-28 implementation.
- Conduct implementation activities stemming from approved recommendations of the assessment on Nuclear Force Protection.
- Continue to manage the protection of classified nuclear weapons information including access to and dissemination of Restricted Data, as mandated by Enclosure 5, DoDD 5210.2, "Access to and Dissemination of Restricted Data."
- Continue as DoD Sigma 14/15 Approval Authority (Interface with DOE/NNSA).
- Action Freedom of Information Act and Mandatory Declassification Requests.
- As OSD sponsor, support the operations of the Joint Advisory Committee on Nuclear Weapons Surety (JAC).

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(U) Stockpile Performance and Survivability (\$0.709 million)

- Conduct life cycle activities in support of the nuclear weapons stockpile under DoDD 3150.1, “Nuclear Weapons Life Cycle” and DODI 5030.55, "DoD Procedures for Joint DoD-DOE Nuclear Weapons Life Cycle Activities."
- Continue to manage DoD RDT&E activities for nuclear warheads to include B61, W76, W78, W62, W80 (0,1), and W88 Weapons.
- Complete the updating and documentation of DoD policy, responsibilities, and procedures in DoDD 3150.3. “Nuclear Weapons Security and Survivability”.
- Support the actions and follow-up of the Defense Science Board (DSB) Task Force on Clandestine Nuclear Attack and the Task Force on Nuclear Weapons Effects Simulators/Simulation.
- Support the recommended executive agency of the DoD for nuclear detectors for the Department of Homeland Security.

(U) Nuclear Weapons Council (\$0.354 million)

- Manage the activities on 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.
- Prepare, staff, and submit annual reports to the President and the Congress to include the FY 2005-2013 Nuclear Weapons Stockpile Memorandum and Requirements Planning Document, FY 2005 report on Stockpile Assessment, FY 2005 Joint Surety Report and the FY 2005 NWC Report to Congress
- Conduct a week-long trip to several nuclear weapons complex sites for over sixty individuals within the nuclear weapons community including senior DoD/DOE officials.

(U) Stockpile Transformation and Infrastructure (\$0.709 million)

- Continue to support the transformation from a nuclear only to nuclear/non-nuclear TRIAD and implementation actions like the Strategic Capabilities Assessment.
- Supports the conduct of the next nuclear posture review in FY 2005.
- Continue to support the actions and follow-on actions of the DSB Task Force on Strategic Strike Skills.
- Continue program to assess the future of the nuclear weapon stockpile.

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- Continue to develop and implement a Nuclear Matters knowledge system to help preserve nuclear weapons information for operational improvements and continuity.

(U) Radiological and Nuclear Emergency Response (\$0.473 million)

- Conduct DoD oversight and provided direction for DoD preparations to train for response actions in the event of a nuclear weapon accident under DoDD 3150.8, “DoD Response to Radiological Accidents.
- Prepare and participate in exercise Dingo King 05.
- Initiate actions to update DoDD 3150.8, “DoD Response to Radiological Accidents”; DoD3150.8-M, Nuclear Accident Response Procedures” and DoDD 5110.63, "Security of Nuclear Reactors and Special Nuclear Material” to make them consistent with the National Response Plan.

(U) International Programs (\$0.118 million)

- Support and participated in NATO nuclear weapon policy and oversight groups to include the High Level Group (HLG) and the Joint Theatre Surety Management Group (JTSMG).
- Continue to implement DoDD 5030.14, "Disclosure of Atomic Information to Foreign Governments and Regional Defense Organizations."
- Continue to support and participate with the UK under 1957 Mutual Defense Agreement.
- Continue to support US-Russia Nuclear Warhead Safety and Security bilateral activities.
- Continued to support US-France Nuclear Warhead Safety and Security bilateral activities.

(U) FY 2006 Plans:

Not applicable. Funds transfer to BA-6, PE 0605161D8Z

(U) FY 2007 Plans

Not applicable. Funds transferred to BA-6, PE 0605161D8Z

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**(U) B. Program Change Summary**

	<b><u>FY 2004</u></b>	<b><u>FY 2005</u></b>	<b><u>FY 2006</u></b>	<b><u>FY 2007</u></b>
Previous President's Budget	1.851	1.958	2.018	2.052
Current President's Budget	1.793	11.813	0.000	0.000
Total Adjustments	-.058			
Congressional program reductions		-.045		
Congressional rescissions				
Congressional increases				
Reprogrammings	-.005	9.900		
SBIR/STTR Transfer	-.053			
Programmatic Transfer to BA6			-2.018	-2.052

Change Summary Explanation: \$9.9 million reprogrammed from service R&D to address critical nuclear weapons security issues.



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(U) Funding

Effective October 1, 2006, funding for this program will move from PE 0605160D8Z (Counterproliferation Support) Budget Activity 3 to PE 0605161D8Z (Nuclear Matters) in Budget Activity 6.

(U) **C. Other Program Funding Summary**

FY 2006 funding transferred to BA-6 PE 0605161D8Z (Nuclear Matters).

(U) **D. Acquisition Strategy**

Not applicable

(U) **E. Performance Metrics**

Not applicable

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Exhibit R-2a, RDT&E Project Justification							Date: February 2005	
Appropriation/Budget Activity RDT&E. BA 3				Project Name and Number Counterproliferation Support/P476				
Cost (\$ in millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Nuclear Matters/P476	1.793	11.813	0.000	0.000	0.000	0.000	0.000	0.000
RDT&E Articles Quantity N/A								

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

(U) Effective October 1, 2006, funding for this program will move from PE 0605160D8Z (Counterproliferation Support) in Budget Activity 3, to PE 605161D8Z (Nuclear Matters-Physical Security) in Budget Activity 6. The purpose of the Counterproliferation Support program, commonly referred to as *Nuclear Matters*, 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. Funds are also used for stockpile transformation and 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 international programs of nuclear cooperation, particularly with respect to enhancing international nuclear safety and security. 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 nuclear weapons systems, DoD personnel and DoD facilities.

**B. Accomplishments/Planned Program**

	FY 2004	FY 2005	FY 2006	FY 2007
Nuclear Weapons Security, Use Control, and Safety	.538	9.450	0.000	0.000

It is DoD policy that nuclear weapon systems require special consideration because of their political and military importance, their destructive power, and the potential consequences of an accident or unauthorized act. *Nuclear weapons security, use control and safety* support actions to maintain and improve our nuclear weapon protections. As such, a full suite of DoD directives which spell out policies, procedures, and responsibilities are continually reviewed and updated. In FY 2004, an assessment was conducted on Nuclear Force Protection in response to a Presidential Memorandum and Strategic Planning Guidance (2006-2011). In 2004, the program was assigned responsibility, and has initiated efforts, to implement National Security Policy Decision-28 and to exercise OSD proponentcy for nuclear weapon physical security and personnel reliability programs and will continue activities in future years. The continuing protection of classified nuclear weapons information including access to and dissemination of Restricted Data is addressed here. As OSD sponsor, it supports the continuing operations of the Joint Advisory Committee on Nuclear Weapons Surety

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(JAC). Output goals include; continuous reviewing, and updating when needed, all DoD security, use control and safety directives; supporting research and development of assured denial technologies, no OSD security violations regarding classified nuclear weapons information; support at least two JAC meetings per year.

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