

OSD RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2008

APPROPRIATION/ BUDGET ACTIVITY
RDTE, Defense Wide BA 06

PE NUMBER AND TITLE
0605161D8Z - Nuclear Matters

COST (\$ in Millions)	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate
P161 Nuclear Matters	4.193	4.475	4.475	4.587	4.538	4.627	4.749

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.

<u>B. Program Change Summary</u>	FY 2007	FY 2008	FY 2009
Previous President's Budget (FY 2008)	4.261	4.513	4.483
Current BES/President's Budget (FY 2009)	4.193	4.475	4.475
Total Adjustments	-0.068	-0.038	-0.008
Congressional Program Reductions			
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			
Other	-0.068	-0.038	-0.008

C. Other Program Funding Summary Not applicable for this item.

D. Acquisition Strategy Not applicable for this item.

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RDTE, Defense Wide BA 06

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E. Performance Metrics:

FY	Strategic Goals Supported	Existing Baseline	Planned Performance Improvement / Requirement Goal	Actual Performance Improvement	Planned Performance Metric / Methods of Measurement	Actual Performance Metric / Methods of Measurement
08						

Comment: 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.

OSD RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

February 2008

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B. Accomplishments/Planned Program:

<u>Accomplishments/Planned Program Title:</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Nuclear Weapons Council (NWC) and Committee of Principals (CoP)	0.960	1.050	1.050

FY 2007 Accomplishments:

- Managed 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.
- Prepared, staffed, and submitted annual reports to the President and the Congress to include the FY 2007-2013 Nuclear Weapons Stockpile Memorandum and Requirements Planning Document, FY 2006 Report on Stockpile Assessment, FY 2006 Joint Surety Report and the FY 2006 Nuclear Weapons Council (NWC) Report to Congress.
- Facilitated nuclear weapons complex site visits for individuals within the nuclear weapons community including senior DoD/DOE officials.
- Maintained oversight and managed departmental compliance with all National Security Presidential Directive (NSPD-28) implementation efforts across all NCCS Departments and Agencies through the NCCS CoP and its subordinate committees.
- Managed the joint SecDef/SecEnergy response to the Presidential memo requesting a plan to improve the Nuclear Command and Control System (NCCS).
- Managed the response to Presidential guidance concerning the FY06 NCCS Assessment Program.

FY 2008 Plans:

- Continue to 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 2008-2014 Nuclear Weapons Stockpile Memorandum and Requirements Planning Document, FY 2007 Report on Stockpile Assessment, FY 2007 Joint Surety Report and the FY 2007 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.
- Maintain oversight and manage departmental compliance on all National Security Presidential Directive (NSPD-28) implementation efforts across all NCCS Departments and Agencies through the NCCS CoP and its subordinate committees.

OSD RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

February 2008

APPROPRIATION/ BUDGET ACTIVITY RDTE, Defense Wide BA 06	PE NUMBER AND TITLE 0605161D8Z - Nuclear Matters	PROJECT P161
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- Manage the response to Presidential guidance concerning the FY07 NCCS Assessment Program.
- Continue to support the Nuclear Weapons Council and its associated functions.

FY 2009 Plans:

- Continue to 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.

<u>Accomplishments/Planned Program Title:</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
International Programs	0.470	0.520	0.500

FY 2007 Accomplishments:

- Continued FY 2006 initiatives.
- De-conflicted the various programs of assistance (French, British, Cooperative Threat Reduction (CTR), Warhead Safety and Security Exchange (WSSX), other) as they apply to Russia.
- Advocated for allied cooperation in deconflicting CTR, WSSX, etc. support to Russia by US/UK/France:
 - Promoted program efficiency.
 - Promoted better international cooperation.
 - Enhanced each participating nations nuclear weapons information security program.
- Completed transmissibility guide and administrative arrangement overhauls with international partner.
- Commenced process for increase information sharing with key partners via Statutory Determination generation.
- Pursued cohesive DoD/DOE strategy to leverage support between MDA-supervised IPOCs and the U.S. that will contribute to the safety, security and stockpile stewardship of bilateral international partners.
- Developed MOA for wide-ranging transportation-related issues.

FY 2008 Plans:

- Build upon FY 2007 initiatives.
- Provide key international partners, in the nuclear weapons establishment, assistance with program overhaul and forward momentum - upgrade peer review potential in this area.
- Sponsor international partners at national-level nuclear weapons accident/incident exercises.
- Contribute to confidence building measures with close nuclear power nations.

FY 2009 Plans:

- Build upon FY 2008 initiatives.
- Execute confidence building programs of cooperation with international partners.
- Sponsor international partners at national-level nuclear weapons accident/incident exercises.

<u>Accomplishments/Planned Program Title:</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Nuclear Surety	0.960	1.025	1.050

FY 2007 Accomplishments:

- Conducted OSD oversight and provided direction for actions taken under DoDD 3150.2, DoDD 3150.2-M "DoD Nuclear Weapons Safety Program"; DoDD 4540.5, "Transportation of Nuclear Weapons"; DoDI S-5210.82, "Protection of Nuclear Coding Equipment"; DoDD S-5210.81, "United States Nuclear Weapons Command and Control, Safety, and Security"; DoDD S-3150.7,

OSD RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

February 2008

APPROPRIATION/ BUDGET ACTIVITY
RDTE, Defense Wide BA 06

PE NUMBER AND TITLE
0605161D8Z - Nuclear Matters

PROJECT
P161

"Controlling the Use of Nuclear Weapons"; DoDD 3150.3, "Nuclear Forces Security and Safety"; and DoDD 5210.42 and 5210.42-R, "The DoD Personnel Reliability Program."
 - Updated DoD policy, responsibilities and procedures in DoD publications to include DoDD S-5210.41-M, "Physical Security of Nuclear Weapons."
 - Reviewed DoD policy, responsibilities and procedures described in DoDD 5210-.41, ""Security Policy for Protecting Nuclear Weapons."
 - Continued as DoD Sigma 14 Approval Authority (interface with DOE/NNSA).
 - Continued to support the operations of the Joint Advisory Committee on Nuclear Weapons Surety (JAC).
 - Supported and participated in NATO nuclear weapons policy and oversight groups, including the High Level Group and the Joint Theatre Surety Management Group.

FY 2008 Plans:

- Conduct OSD oversight and provide direction for actions taken under DoDD 4540.5, "Transportation of Nuclear Weapons"; DoDI S-5210.82, "Protection of Nuclear Coding Equipment"; DoDD S-5210.81, "United States Nuclear Weapons Command and Control, Safety, and Security"; DoDD S-3150.7, "Controlling the Use of Nuclear Weapons"; DoDD 5210.42 and 5210.42-R, "The DoD Personnel Reliability Program"; and DoDD 5210-.41 and S-5210.41-M, "Physical Security of Nuclear Weapons."
 - Update DoD policy, responsibilities and procedures in DoD publications to include DoDD S-5210.41-M, "Physical Security of Nuclear Weapons."
 - Review DoD policy, responsibilities and procedures described in DoDD 5210-.41, ""Security Policy for Protecting Nuclear Weapons."
 - Review DoD policy, responsibilities and procedures described in DoDD 3150.2, DoDD 3150.2-M "DoD Nuclear Weapons Safety Program," and DoDD 3150.3, "Nuclear Forces Security and Safety."
 - Continue as DoD Sigma 14 Approval Authority (interface with DOE/NNSA).
 - Continue to support the operations of the Joint Advisory Committee on Nuclear Weapons Surety (JAC).
 - Support and participate in NATO nuclear weapons policy and oversight groups, including the High Level Group and the Joint Theatre Surety Management Group.
 - Continue to support activities that support nuclear surety policy and provide OSD oversight of the Nuclear Surety program.

FY 2009 Plans:

- Conduct OSD oversight and provide direction for actions taken under DoDD 4540.5, "Transportation of Nuclear Weapons"; DoDD S-5210.81, "United States Nuclear Weapons Command and Control, Safety, and Security"; DoDD S-3150.7, "Controlling the Use of Nuclear Weapons"; DoDD 5210.42 and 5210.42-R, "The DoD Personnel Reliability Program"; and DoDD 5210-.41 and S-5210.41-M, "Physical Security of Nuclear Weapons."
 - Continue to support activities that support nuclear surety policy and provide OSD oversight of the Nuclear Surety program.

Accomplishments/Planned Program Title:

FY 2007

FY 2008

FY 2009

Stockpile Transformation

0.960

1.060

1.050

FY 2007 Accomplishments:

- 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."
 - Continued to manage DoD RDT&E activities for nuclear warheads to include B61, W62, W76, W78, W80(0,1), B83, W87, W88 Weapons.
 - Supported studies for warhead replacement.
 - Continued programs to assess the future of the nuclear weapon stockpile.
 - Supported new Task Forces for strategic systems.
 - Continued to develop and implement a Nuclear Matters knowledge system to help preserve nuclear weapons information for operational improvements and continuity.
 - Provided technical support to maintain strategic materials and nuclear power systems.
 - Continued to develop a nuclear enterprise model for DoD.

OSD RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

February 2008

APPROPRIATION/ BUDGET ACTIVITY
RDTE, Defense Wide BA 06

PE NUMBER AND TITLE
0605161D8Z - Nuclear Matters

PROJECT
P161

FY 2008 Plans:

- 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, W62, W76, W78, W80(0,1), B83, W87, W88 Weapons.
- Support studies for warhead replacement.
- Continue programs to assess the future of the nuclear weapon stockpile.
- Support new Task Forces for strategic systems.
- Provide technical support to maintain strategic materials and nuclear power systems.

FY 2009 Plans:

- 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, W62, W76, W78, W80(0,1), B83, W87, W88 Weapons.
- Support studies for warhead replacement.
- Continue programs to assess the future of the nuclear weapon stockpile.
- Support new Task Forces for strategic systems.
- Provide technical support to maintain strategic materials and nuclear power systems.

Accomplishments/Planned Program Title:

FY 2007

FY 2008

FY 2009

Survivability and Weapons of Mass Destruction (WMD)

0.470

0.520

0.500

FY 2007 Accomplishments:

- Provided direction for DoD and OSD preparations to train for response actions, under DoDD 3150.8, "DoD Response to Radiological Accidents.
- Completed OSD planning and training for, and execute OSD participation in, Vigilant Shield 2007 (VS 07) nuclear weapon accident exercise.
- Planned and trained for OSD participation in Diamond Flight nuclear weapon accident exercise.
- Completed and published the new DoDD for nuclear-radiological incident response.
- Completed and published the new DoD3150.8-M, Nuclear Accident Response Procedures" (NARP) and DoDD 5110.63, "Security of Nuclear Reactors and Special Nuclear Material".
- Maintained the office Go-Kit and classified website to enhance coordination in the event of a nuclear weapon accident.
- Continued to improve interagency nuclear weapon accident planning and coordination activities.
- Continued to implement the DoD Action Plan for assessing vulnerability to High Altitude Electromagnetic Pulse (HEMP).
- Supported the technical needs of the re-established Electromagnetic Pulse (EMP) Commission.
- Completed and published the new DoDI for survivability of material and equipment to radiological effects.
- Monitored and advised OSD on the status of DoD capability for Nuclear Weapons Effects Simulators and Simulation.
- Continued to support the DoD executive agency role (of ASD(HD)) for interagency actions concerning Combating WMD at home and abroad.

FY 2008 Plans

- Provide direction for DoD and OSD preparations to train for response actions, under DoDD 3150.8, "DoD Response to Radiological Accidents.
- Plan and train for OSD participation in Diablo Bravo 2008 (DB 08) nuclear weapon accident exercise led by DOE/NNSA.
- Participate in interagency tabletop exercises in preparation for DB 08.
- Maintain the office Go-Kit and classified website to enhance coordination in the event of a nuclear weapon accident.

OSD RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

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RDTE, Defense Wide BA 06

PE NUMBER AND TITLE
0605161D8Z - Nuclear Matters

PROJECT
P161

- Direct and coordinate the activities of the NCCS Committee of Principals Subcommittee on Nuclear Weapon Accident Response.
- Continue to implement the DoD Action Plan for assessing vulnerability to HEMP
- Monitor and advise OSD on the status of DoD capability for Nuclear Weapons Effects Simulators and Simulation.
- Continue to support the DoD executive agency (ASD(HD)) for interagency actions concerning Combating Weapons of Mass Destruction at home and abroad.

Accomplishments/Planned Program Title:

FY 2007

FY 2008

FY 2009

Nuclear Matters

0.373

0.300

0.325

FY 2007 Accomplishments:

- Submitted annual reports to the President and the Congress.
- Initiated the updating and documentation of DoD nuclear weapon policy, responsibilities, and procedures in DoD publications.
- Continued 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".
- Continued as DoD Sigma 15 Approval Authority (Interface with DOE/NNSA).
- Addressed Freedom of Information Act and Mandatory Declassification Requests.

FY 2008 Plans:

- Submit annual reports to the President and the Congress.
- Continue to oversee DoD/DOE relationship regarding the survivability and surety of the national nuclear stockpile.
- Continue as DoD Sigma 15 Approval Authority (Interface with DOE/NNSA).
- Address Freedom of Information Act and Mandatory Declassification Requests.

FY 2009 Plans:

- Submit annual reports to the President and the Congress.
- Continue to oversee DoD/DOE relationship regarding the survivability and surety of the national nuclear stockpile.
- Continue as DoD Sigma 15 Approval Authority (Interface with DOE/NNSA).
- Address Freedom of Information Act and Mandatory Declassification Requests.

C. Other Program Funding Summary Not applicable for this item.

D. Acquisition Strategy Not applicable for this item.

E. Major Performers Not applicable for this item.