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

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603851D8Z: <i>Environ Security Tech Cert Pgm</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	36.616	40.780	30.419	0.000	30.419	30.722	30.957	31.416	31.927	Continuing	Continuing
P514: <i>Environ Sec Tech Cert Pgm</i>	36.616	40.780	30.419	0.000	30.419	30.722	30.957	31.416	31.927	Continuing	Continuing

A. Mission Description and Budget Item Justification

(U) This program demonstrates and validates the most promising innovative environmental technologies that target DoD's most urgent environmental needs. Technologies selected are projected to provide pay back of the investment through cost savings and improved efficiencies. The program responds to: (1) Congressional concern over the slow pace of remediation of environmentally polluted sites on military installations, (2) Congressional direction to conduct demonstrations specifically focused on emerging new technologies, and (3) the need to improve defense readiness by reducing the drain on the Department's operation and maintenance dollars caused by environmental restoration, waste management, and the cost of energy. Preference for demonstrations are given to technologies that have successfully completed all necessary research and development objectives, and address the highest priority DoD environmental requirements.

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	38.691	31.613	0.000	0.000	0.000
Current President's Budget	36.616	40.780	30.419	0.000	30.419
Total Adjustments	-2.075	9.167	30.419	0.000	30.419
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		9.167			
• Congressional Directed Transfers		0.000			
• Reprogrammings	-1.532	0.000			
• SBIR/STTR Transfer	-0.477	0.000			
• Other Program Adjustments	-0.066	0.000	30.419	0.000	30.419

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

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603851D8Z: <i>Environ Security Tech Cert Pgm</i>	PROJECT P514: <i>Environ Sec Tech Cert Pgm</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
P514: <i>Environ Sec Tech Cert Pgm</i>	36.616	40.780	30.419	0.000	30.419	30.722	30.957	31.416	31.927	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

(U) This program demonstrates and validates the most promising innovative environmental technologies that target DoD's most urgent environmental needs. Technologies selected are projected to provide pay back of the investment through cost savings and improved efficiencies. The program responds to: (1) congressional concern over the slow pace of remediation of environmentally polluted sites on military installations, (2) congressional direction to conduct demonstrations specifically focused on emerging new technologies, and (3) the need to improve defense readiness by reducing the drain on the Department's operation and maintenance dollars caused by environmental restoration, waste management, and the cost of energy. Preference for demonstrations are given to technologies that have successfully completed all necessary research and development objectives, and address the highest priority DoD environmental requirements.

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
ESTCP Accomplishments/plans are described at the program level below. <i>FY 2009 Accomplishments:</i> (U) FY 2009 Accomplishments: The focus of the program is on cleanup, UXO detection and discrimination; range and installation sustainment, and eliminating/reducing waste streams associated with DoD weapon systems. - Continued 90 demonstration projects - Reviewed and selected 32 new technologies for demonstration. - Reviewed and select sites for demonstration of technologies. - Prepared site-specific implementation plans	36.616	40.780	30.419	0.000	30.419

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Office of Secretary Of Defense		DATE: February 2010
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C. Other Program Funding Summary (\$ in Millions) N/A		
D. Acquisition Strategy ESTCP solicits proposals from all DoD organizations, other Federal Agencies, and the commercial sector. Projects are selected based on an annual competitive process through reviews by multi-agency panels.		
E. Performance Metrics Performance in this program is monitored at two levels. At the lowest level, each individual project is measured against technical and financial milestones on a quarterly and annual basis. At a program-wide level, progress is measured against DoD's environmental requirements and the demonstration and transition of technologies that address these requirements.		

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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Office of Secretary Of Defense **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603851D8Z: <i>Environ Security Tech Cert Pgm</i>	PROJECT P514: <i>Environ Sec Tech Cert Pgm</i>
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	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015								
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
FY09 In Progress Reviews	■	■	■																														
Develop FY10 Program		■	■	■																													
FY10 In Progress Reviews					■	■	■																										
Develop FY11 Program						■	■	■																									
Develop FY12 Program											■	■	■																				
FY11 In Progress Reviews									■	■	■																						

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Exhibit R-4A, RDT&E Schedule Details: PB 2011 Office of Secretary Of Defense **DATE:** February 2010

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Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
FY09 In Progress Reviews	1	2009	3	2009
Develop FY10 Program	2	2009	4	2009
FY10 In Progress Reviews	1	2010	3	2010
Develop FY11 Program	2	2010	4	2010
Develop FY12 Program	2	2011	4	2011
FY11 In Progress Reviews	1	2011	3	2011

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