

Exhibit R-2, RDT&E Budget Item Justification						Date: February 2002		
APPROPRIATION/BUDGET ACTIVITY RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE, BUDGET ACTIVITY 6					R-1 ITEM NOMENCLATURE UNEXPLODED ORDNANCE DETECTION & CLEARANCE PE 0603858D8Z			
COST (\$ in Millions)	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete
Total PE Cost	1,194	1,152	1,185	1,212	1,231	1,257	1,284	Continuing

A. Mission Description and Budget Item Justification.

This program element funds the Joint Unexploded Ordnance Coordination Office (JUXOCO) of the Unexploded Ordnance Center of Excellence (UXOCOE); to develop policy and provide oversight in coordinating requirements and technology in detection and clearance of unexploded ordnance (UXO) within the Department of Defense (DoD), as well as with other United States and international agencies, academia, and industry; to establish and maintain standards for testing, modeling, and evaluation of unexploded ordnance detection and clearance technology; and to establish, gather, and maintain a database for the results of these efforts.

In response to a request from the House National Security Committee (HNSC) and concerns of the General Accounting Office (GAO), the Department of Defense submitted a plan in March 1997, "Report to Congress: Unexploded Ordnance Clearance: A Coordinated Approach to Requirements and Technology Development." This report was developed by a joint, inter-agency task force comprised of the proponents of the unexploded ordnance (UXO) clearance mission areas (countermine, explosive ordnance disposal, environmental remediation, humanitarian demining, and active range clearance). The report defined research and development priorities, program management, and cooperative activities for technology applicable to area ordnance clearance, also known as UXO clearance. The report also described a plan to maintain visibility over and leverage technology efforts within DoD, at other government agencies, and in private industry for the detection, neutralization, and disposal of UXO. In May 1997, the Under Secretary of Defense for Acquisition and Technology directed the establishment of the UXO Center of Excellence (UXOCOE) to implement this plan, and in October 1997, the Department established the operational arm of the UXOCOE, the Joint UXO Coordination Office (JUXOCO), which is collocated with the Night Vision Electronic Sensors Directorate at Ft. Belvoir, VA.

(U) FY 2001 Accomplishments

- Conducted requirements and technology workshops to coordinate and improve the efficiency of technological thrusts for DoD UXO RDT&E. (\$0.120 million)
- Attended external conferences, seminars, workshops and meetings to collect and coordinate UXO RDT&E information. (\$0.080 million)
- Analyzed UXO RDT&E data and information collected during requirements and technology workshops, which including: Resource Managers Meeting, Multi-University Research Initiatives (MURI) Conference, ESTCP/SERDP Conference, Joint Robotics Program Workshops, etc. (\$0.100 million)
- Generated an Annual UXO Clearance Report focused on the coordination of all UXO RDT&E efforts among five mission areas (Countermine, Explosive Ordnance Disposal, UXO-Environmental Remediation, Humanitarian Demining, and Active Range Clearance). (\$0.238 million)
- Analyzed worldwide efforts in UXO RDT&E to expand JUXOCO's frame of reference into potential solutions. (\$0.100 million)
- Continued to update and maintain the UXO clearance / detection databases and computer web site to promote interaction and sharing of information, concepts and technology within DoD, other US and international agencies, academia, and industry. (\$0.100 million)
- Integrated international and industrial research and equipment into an expanded computerized UXO RDT&E database to enhance information sharing. (\$0.100 million)
- Promoted industry and academic involvement (both US and foreign) in UXO clearance RDT&E. (\$0.100 million)

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- Coordinated standardized scientific experiments to gather data on the performance of developmental detection sensors at JUXOCO's Ft. A.P. Hill pilot site. (\$0.156 million)
- Collected, analyzed and posted developmental detection sensor data on the web site for dissemination and use by researchers in detection, signal processing, and algorithm development. (\$0.100 million)

(U) FY 2002 Plans

- Conduct requirements and technology workshops to coordinate and improve the efficiency of technological thrusts for DoD UXO RDT&E. (\$0.120 million)
- Coordinate / collect UXO RDT&E information by attending external conferences, seminars and workshops and meetings. (\$0.075 million)
- Analyze UXO RDT&E data and information collected during requirements and technology workshops, which include: Resource Managers Meeting, Multi-University Research Initiatives (MURI) Conference, ESTCP/SERDP Conference, Joint Robotics Program Workshops, focused UXO Mission Area Workshops, etc. (\$0.100 million)
- Generate an Annual UXO Clearance Report focused on the coordination of all UXO RDT&E efforts among five mission areas (Countermine, Explosive Ordnance Disposal, UXO-Environmental Remediation, Humanitarian Demining, and Active Range Clearance). (\$0.187 million)
- Analyze worldwide efforts in UXO RDT&E to expand JUXOCO's frame of reference into potential solutions. (\$0.100 million)
- Maintain and update the UXO clearance / detection databases and computer web site to promote broader interaction and sharing of information, concepts and technology within DoD, other US and international agencies, academia, and industry. (\$0.105 million)
- Integrate international and industrial research and equipment into the computerized UXO RDT&E database to enhance information sharing. (\$0.100 million)
- Promote broader DoD, industry and academic involvement (both US and foreign) in UXO clearance RDT&E. (\$0.100 million)
- Coordinate standardized scientific experiments to gather data on, and model the performance of developmental detection sensors at Ft. A.P. Hill pilot site. (\$0.165 million)
- Collect, analyze and post developmental detection sensor data on the web site for dissemination and use by researchers in detection, signal processing, and algorithm development. (\$0.100 million)

(U) FY 2003 Plans

- Conduct requirements and technology workshops to coordinate and improve the efficiency of technological thrusts for DoD UXO RDT&E. (\$0.120 million).
- Coordinate / collect UXO RDT&E information by attending external conferences, seminars and workshops and meetings. (\$0.075 million).
- Analyze UXO RDT&E data and information collected during requirements and technology workshops, which include: Resource Managers Meeting, Multi-University Research Initiatives (MURI) Conference, ESTCP/SERDP Conference, Joint Robotics Program Workshops, focused UXO Mission Area Workshops, etc. (\$0.100 million)
- Generate an Annual UXO Clearance Report focused on the coordination of all UXO RDT&E efforts among five mission areas (Countermine, Explosive Ordnance Disposal, UXO-Environmental Remediation, Humanitarian Demining, and Active Range Clearance). (\$0.200 million).
- Analyze worldwide efforts in UXO RDT&E to expand JUXOCO's frame of reference into potential solutions. (\$0.100 million)
- Continue to update and maintain the UXO clearance / detection databases and computer web site to promote broader interaction and sharing of information, concepts and technology within DoD, other US and international agencies, academia, and industry. (\$0.105 million)
- Integrate international and industrial research and equipment into the computerized UXO RDT&E database to enhance information sharing. (\$0.085 million).

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<ul style="list-style-type: none"> Promote broader DoD, industry and academic involvement (both US and foreign) in UXO clearance RDT&E. (\$0.115 million) Coordinate standardized scientific experiments to gather data on the performance of detection sensors at the Ft. A.P. Hill pilot site. (\$0.185 million) Collect, analyze and post developmental detection sensor data on the web site for dissemination and use by researchers in detection, signal processing, and algorithm development. (\$0.100 million) 							
B. <u>Program Change Summary</u> (\$ million)							
		<u>FY2001</u>	<u>FY2002</u>	<u>FY2003</u>			
FY2001 Previous President's Budget		1.204	1.165	.481			
FY2002 Amended Budget		1.204	1.165	1.188			
Appropriated Value							
Adjustments to Appropriated Value							
a. Congressionally Directed							
Appropriation Reduction		(0.008)					
b. Congressionally Directed							
Undistributed Reduction		(0.002)	(0.013)				
c. OSD Directed							
Program Reduction/Increase							
d. Inflationary Adjustment				(.003)			
FY2003 Current Budget Submit/President's Budget		1.194	1.152	1.185			
Change Summary Explanation:							
Funding:	N/A						
Schedule:	N/A						
Technical:	N/A						
C. <u>Other Program Funding Summary</u>							
		<u>FY 2001</u>	<u>FY2002</u>	<u>FY2003</u>	<u>FY2004</u>	<u>FY2005</u>	<u>FY2006</u>
Not Applicable.							
D. <u>Execution</u>							
Not Applicable.							