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OSD RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

Date: February 2006

APPROPRIATION/ BUDGET ACTIVITY
RDT&E/ Defense Wide BA# 3

PE NUMBER AND TITLE

0603711D8Z - Joint Robotics/Autonomous Systems

Cost (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total Program Element (PE) Cost	0.000	0.000	7.700	11.600	14.600	14.900	15.200
P710 Joint Robotics Program/Autonomous Systems	0.000	0.000	7.700	11.600	14.600	14.900	15.200

A. Mission Description and Budget Item Justification: This program element supports the advanced technology development activities of the Joint Robotics Program (JRP). Projects deliver advanced technology to support enhanced warfighters' capabilities that have been identified during operational assessments and field feedback of current unmanned systems. The program ensures Joint Service coordination and provides for interoperability and commonality among unmanned systems. Through key annual key stakeholder reviews (PM's, user, tech base) critical technologies necessary to meet evolving user requirements are identified. These critical technologies form the basis for investment decisions in the areas of mobility, power, manipulation, system health maintenance, advanced materials, communication, human-robot interaction, autonomous operations, perception, precision location, data fusion, autonomous/tactical behaviors, and collaborative operations. Projects also encompass modeling and simulation activities to support future system development and the transfer of advanced unmanned system capabilities to the warfighter.

B. Program Change Summary	FY 2005	FY 2006	FY 2007
Previous President's Budget (FY 2006)			
Current BES/President's Budget (FY 2007)	0.000	0.000	7.700
Total Adjustments	0.000	0.000	7.700
Congressional Program Reductions			
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			
Other			7.700

Funds previously allocated to PE 0604709D8Z, Joint Robotics Program (BA5) were transferred to form this Program Element.

C. Other Program Funding Summary	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cost
PE 0603709D8Z (BA4) Joint Robotics Program	20.826	27.264	12.210	12.219	12.300	12.547	12.820	0.000	110.186
PE 0604709D8Z (BA5) Joint Robotics Program	31.549	20.464	6.004	3.004	0.000	0.000	0.000	0.000	61.021

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Comment:

D. Acquisition Strategy: Not Applicable.

E. Performance Metrics: Not Applicable.

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Date: February 2006

APPROPRIATION/ BUDGET ACTIVITY RDT&E/ Defense Wide BA# 3		PE NUMBER AND TITLE 0603711D8Z - Joint Robotics/Autonomous Systems						PROJECT P710	
PE 0603709D8Z Joint Robotics Program (BA4)	21.314	11.755	12.020	12.017	12.085	12.331	12.613	0.000	94.135
PE 0604709D8Z Joint Robotics Program (BA5)	32.669	13.745	6.000	3.000	0.000	0.000	0.000	0.000	55.414

Comment:

D. Acquisition Strategy The Joint Robotics Program (JRP) will utilize several contracting strategies to achieve its program objectives. The JRP has an established relationship with the National Center for Defense Robotics to support the rapid acquisition and evaluation of promising unmanned system technologies. Additionally, funding will be provided to Joint Service lab partners to promote common technology solutions across platforms and Service.

E. Major Performers Not Applicable.

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