

Exhibit R-2, RDT&E Budget Item Justification					Date: February 2004		
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE		
Research, Development, Test & Evaluation, Defense Wide					Joint System Architecture Development PE 0604875D8Z		
COST (\$ in Millions)	FY 2003	FY 2004	FY 2005	FY2006	FY 2007	FY 2008	FY 2009
Total PE Cost	0.000	0.000	4.989	0.000	0.000	0.000	0.000
<b>Project/Thrust</b> A Name/No. & subtotal cost *							
<p><u>A. Mission Description and Budget Item Justification</u></p> <p>Program Definition: AT&amp;L/DS manages this program which supports roadmap development, required supporting analysis, and systems engineering in support of CJCSI 3170/DOD 5000 Capability based planning, to address systems aspects of functional needs, area and solution analysis of systems to support joint capabilities. This includes the systems aspects and implications of integrated architectures and investment analysis in light of other factors affecting requirements and acquisition. The work will be accomplished through collaborative efforts to develop architectures and conduct assessments of joint capability area and joint operating concept issues, develop and support needed sets of system and system related data to support architectures, analysis and roadmaps, conduct support analysis of systems development and engineering issues, create roadmaps, and analyze investment options to support roadmap development.</p> <p>Justification: Transformation calls for top down, national security strategy driven concepts based requirements and integrated joint systems. DoD Instruction (DoDI) 5000.2 and CJCSI 3170.01C both call for upfront analysis and planning to support systems requirements and acquisition. In particular, integrated roadmaps based on joint integrated architectures and investment analyses are to be developed. Integrated architectures to support requirements definition and systems acquisitions will be developed collaboratively. "The Under Secretary of Defense (Acquisition, Technology, and Logistics) (USD(AT&amp;L)), the Assistant Secretary of Defense for Command, Control, Communications, and Intelligence (ASD(C3I)), the Joint Staff, the Military Departments, the Defense Agencies, Combatant Commanders, and other appropriate</p>							

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<p>DoD Components shall work collaboratively to develop joint integrated architectures for capability areas as agreed to by the Joint Staff." [DODI 5000.2, 3.2.1.1] The AT&amp;L has responsibility for the systems aspects of these architectures: "The USD(AT&amp;L) (or PSA for business areas) shall lead development of the systems view, in collaboration with the Services, Agencies, and Combatant Commanders, to characterize available technology and systems functionality. The systems view shall identify the kinds of systems and integration needed to achieve the desired operational capability." [DODI 5000.2, 3.2.1.2]. Analysis of these architectures in light of changing needs and technology provides critical input into the future Defense planning and programming as well as design and engineering of integrated systems of systems which support joint warfighter capability needs. In particular: "Using the integrated architectures, the USD(AT&amp;L) shall lead the development of integrated plans or roadmaps. The Department of Defense shall use these roadmaps to conduct capability assessments, guide systems development, and define the associated investment plans as the basis for aligning resources and as an input to the Defense Planning Guidance, Program Objective Memorandum development, and Program and Budget Reviews." [DODI 5000.2, 3.2.2]. This Program Element specifically supports roadmap development and the needed supporting analysis. This includes the development and analysis of the systems aspects and implications of integrated architectures and investment analysis in light of other factors affecting requirements and acquisition. The work will be accomplished through collaborative efforts to develop architectures and conduct assessments of joint capability area and joint operating concept issues, develop and support needed sets of system and system related data to support architectures, analysis and roadmaps, conduct support analysis of systems development and engineering issues, create roadmaps, and analyze investment options to support roadmap development.</p>			
<p>B. Program Change Summary: (Show total funding, schedule, and technical changes for the program element that have occurred since the previous President's Budget Submission)</p>			
	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Previous President's Budget	0.000	0.000	0.000
Current FY 2005 President's Budget	0.000	0.000	4.989
Total Adjustments			
Congressional program reductions			
Congressional rescissions			
Congressional increases			
Reprogrammings			

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SBIR/STTR Transfer				
Other	0.000	0.000		+4.989
A. <u>Other Program Funding Summary:</u> N/A				
B. <u>Acquisition Strategy:</u> N/A*				
* Not required for Budget Activities 1, 2, 3, and 6				