

UNCLASSIFIED
 Fiscal Year 2006 - 2007 President's Budget Submission
 Department of Defense Human Resources Activity
 RDT&E Descriptive Summaries
 February 2005

Exhibit R-2, RDT&E Budget Item Justification						Date: February 2005		
Appropriation/Budget Activity RDT&E, Defense-wide BA 3				R-1 Item Nomenclature: Distributed Learning Advanced Technology Development, 0603769SE				
Cost (\$ in millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total PE Cost	13.596	16.002	14.689	14.710	14.390	14.739	15.110	15.485
Project 1: Advanced Distributed Learning (ADL)	13.596	16.002	14.689	14.710	14.390	14.739	15.110	15.485
<p>A. Mission Description and Budget Item Justification: The Department of Defense Human Resources Activity (DHRA) is a DoD-wide Field Activity chartered to support the Under Secretary of Defense for Personnel and Readiness (USD (P&R)).</p> <p><u>Advanced Distributed Learning (ADL):</u> This program develops the underlying technologies to make learning and performance support available to service members, anytime, anywhere. The ADL concept supports the ability to migrate online learning content to multiple hardware and software applications using the Sharable Content Object Reference Model (SCORM) standard. It is rapidly becoming the <i>de facto</i> standard across the public and private sectors, and it will become the declared standard within the Department of Defense. The program continues to develop partnerships with public education, vocational training, and life-long learning programs. Policy oversight of ADL is managed by the Office of the Deputy Under Secretary of Defense/Readiness (Readiness and Training Policy and Programs). New work is directed at a Content Object Repository Discovery and Resolution Architecture (CORDRA) that establishes a single ADL registry where all online learning content developed by the Department can be discovered for reuse or repurposing. CORDRA will be maintained by the Defense Technical Information Center. In FY 2006, advanced joint education and training prototype work will support the Joint Knowledge Development and Distribution Capability for the individual joint warfighter.</p>								

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B. Program Change Summary:				
	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
Previous President's Budget	13.596	13.756	13.695	13.691
President's Budget	13.596	16.002	14.689	14.710
Total Adjustments	0	+2.246	-0.994	+1.019
Congressional Adjustments	0	+2.550	0	0
Transfers	0	0	+0.750	+0.750
Program Adjustments	0	-0.304	+0.244	+0.269
Change Summary Explanation: FY 2005 reflects Congressional adjustments of \$2.550 million, offset by reductions totaling \$0.304 million; the DHRA pro-rata share of Defense-Wide (DW) FY 2005 Appropriations Act adjustments per Section 8095 Contract and Advisory Assistance Services (-\$0.156 million), Section 8122 Management Improvement (-\$0.049 million), and Section 8131 Set Asides (-0.099 million). FY 2006 and FY 2007 reflects a departmental transfer of \$0.750 million from the Joint Staff Operations and Maintenance appropriation to the DHRA ADL RDT&E program to properly resource the Joint National Training Center Programs (JNTC) in support of the Department of Defense Training Transformation Program Plan, FY 2006-2011. Program Adjustments increase ADL program funding by \$0.244 million in FY 2006 and \$0.269 in FY 2007.				
C. Other Program Funding Summary: not applicable				

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<p>D. Acquisition Strategy: not required</p> <p>E. Performance Metrics: By FY 2006, 1,000 courses (legacy online and CD ROM) will be cataloged in the ADL Registry. By FY 2007, 400 online courses will conform to a SCORM format. By FY 2008, 750 online courses will be SCORM-conformant. Each course comprises a sequence of learning objects (also known as content packages). By FY 2006, a minimum of 30,000 online learning objects will be registered in the ADL Registry through the CORDRA content repository system; by FY 2007, 60,000; and by FY 2008, 100,000 learning objects will be registered.</p>		

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Exhibit R-2a, RDT&E Project Justification (Project)						Date: February 2005		
Appropriation/Budget Activity RDT&E, Defense-wide BA 3			Project Name and Number - Advanced Distributed Learning (ADL), Project 1					
Cost (\$ in millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Project 1: ADL	13.596	16.002	14.689	14.710	14.390	14.739	15.110	15.485
RDT&E Articles Quantity - N/A								
<p>A. Mission Description and Budget Item Justification: This program develops the underlying technologies to make learning and performance support available to service members, anytime, anywhere. The ADL concept supports the ability to migrate online learning content to multiple hardware and software applications using the Sharable Content Object Reference Model (SCORM) standard. It is rapidly becoming the <i>de facto</i> standard across the public and private sectors, and it will become the declared standard within the Department of Defense. The program continues to develop partnerships with public education, vocational training, and life-long learning programs. Policy oversight of ADL is managed by the Office of the Deputy Under Secretary of Defense/Readiness (Readiness and Training Policy and Programs). New work is directed at a Content Object Repository Discovery and Resolution Architecture (CORDRA) that establishes a single ADL registry where all online learning content developed by the Department can be discovered housed for reuse or repurposing. CORDRA will be maintained by the Defense Technical Information Center. In FY 2006, advanced joint education and training prototype work will support the Joint Knowledge Development and Distribution Capability for the individual joint warfighter.</p>								
B. Accomplishments/Planned Program:								
	FY 2004	FY 2005	FY 2006	FY 2007				
Accomplishment/ Effort/Subtotal Cost	13.596	16.002	14.689	14.710				
RDT&E Articles Quantity - N/A								

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Exhibit R-2a, RDT&E Project Justification (Project)		Date: February 2005
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<ul style="list-style-type: none"> • Completion of the SCORM 2004 interoperability standard, which is being adopted globally; 100 companies have compatible products for online learners; workshops provided throughout the year. • Convened a "Plugfest" for interoperability testing in Pittsburgh, PA; more than 400 attendees • Application of ADL as key technology enabler for training transformation, Joint Knowledge Development and Distribution • Establish specifications/standards for content object repositories and designed a singular ADL registry • Experimentation with SCORM with immersive learning environments in homeland defense scenarios • Experimentation with SCORM learning objects in online games for training, counterterrorism scenarios <p>C. Other Program Funding Summary: not applicable</p> <p>D. Acquisition Strategy: not required</p> <p>E. Major Performers: FY 2004 Concurrent Technologies Corporation, Johnstown, PA, - SCORM 2004 conformance test suite; Institute for Defense Analyses, Alexandria, VA, ADL Common Framework - guide the collaborative development; Joint ADL C-Lab, Orlando, FL - prototype program and implementation in Services; University of Wisconsin, Madison, WI; University of Tulsa, Tulsa, OK. Carnegie Mellon University.</p> <p>FY 2005 - 2007 Concurrent Technologies Corporation, Johnstown, PA; Institute for Defense Analyses, Alexandria, VA; Joint ADL Co-Lab, Orlando, FL; Carnegie Mellon University, Pittsburgh, PA; University of Wisconsin, Madison, WI</p>		