

Exhibit R-2, RDT&E Budget Item Justification							Date: February 2007																															
Appropriation/Budget Activity						R-1 Item Nomenclature: Distributed Learning Advanced Technology Development, 0603769SE																																
RDT&E, Defense-wide BA 3																																						
Cost (\$ in millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013																														
Total PE Cost	16.574	17.750	13.282	13.704	14.134	14.458	14.098	13.999																														
Project 1: Advanced Distributed Learning	16.574	17.750	13.282	13.704	14.134	14.458	14.098	13.999																														
<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>Advanced Distributed Learning (ADL): 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 has become the de facto standard across the public and private sectors, and is the declared standard within the Department of Defense. The program continues to develop US and international partnerships with public education, vocational training, and life-long learning programs. Policy oversight is managed by the Office of the Deputy Under Secretary of Defense/Readiness (Readiness and Training Policy and Programs). Recent work has established a single registry where all online learning content developed by the Department can be discovered for reuse; it is maintained by the Defense Technical Information Center. In FY 2007, models to link online content to technical publications will be accomplished. In FY 2008, specifications and models to link to link online training and education to relevant multiplayer online games will be accomplished.</p> <p>B. Program Change Summary:</p> <table border="1"> <thead> <tr> <th></th> <th>FY 2006</th> <th>FY 2007</th> <th>FY 2008</th> <th>FY 2009</th> </tr> </thead> <tbody> <tr> <td>Previous President's Budget</td> <td>14.689</td> <td>14.918</td> <td>14.604</td> <td>14.959</td> </tr> <tr> <td>Current BER/President's Budget</td> <td>16.574</td> <td>17.75</td> <td>13.282</td> <td>13.704</td> </tr> <tr> <td>Total Adjustments</td> <td>+1.885</td> <td>+2.832</td> <td>-1.322</td> <td>-1.255</td> </tr> <tr> <td> Congressional Adjustments</td> <td>+2.125</td> <td>+2.900</td> <td>0</td> <td>0</td> </tr> <tr> <td> Program Adjustments</td> <td>-0.240</td> <td>-0.068</td> <td>-1.322</td> <td>-1.255</td> </tr> </tbody> </table> <p>Change Summary Explanation: FY 2006 reflects Congressional adjustments of \$2.125 million, offset by reductions totaling \$0.240; the Defense-Wide 1% pro-rata rescission (-\$0.167 million) and Section 8125 Economic Assumptions (-0.075 million). Program adjustments increase ADL program funding in FY 2007.</p> <p>C. Other Program Funding Summary: Not Applicable</p> <p>D. Acquisition Strategy: Not Required</p> <p>E. Performance Metrics: 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 2007, a minimum of 50,000 online learning objects will be registered in the ADL Registry through the CORDRA content repository system; by FY 2008, 90,000; and by FY 2009, 150,000 learning objects will be registered. By the end of FY2008, an external stewardship organization will take over the maintenance of the SCORM model.</p>										FY 2006	FY 2007	FY 2008	FY 2009	Previous President's Budget	14.689	14.918	14.604	14.959	Current BER/President's Budget	16.574	17.75	13.282	13.704	Total Adjustments	+1.885	+2.832	-1.322	-1.255	Congressional Adjustments	+2.125	+2.900	0	0	Program Adjustments	-0.240	-0.068	-1.322	-1.255
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Exhibit R-2a, RDT&E Project Justification (Project)

Date: February 2007

Appropriation/Budget Activity RDT&E, Defense-wide BA 3				Project Name and Number – Advanced Distributed Learning (ADL), Project 1				
Cost (\$ in million)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project 1:ADL	16.574	17.750	13.282	13.704	14.134	14.458	14.098	13.999
RDT&E Articles Quantity N/A								

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B. Accomplishments/Planned Program:

	FY 2006	FY 2007	FY 2008	FY 2009
Accomplishment/ Effort/Subtotal Cost	16.574	17.750	13.282	13.704
RDT&E Articles Quantity – N/A				

- Issued DoD Instruction 1322.26 which mandates the use of ADL specifications across the Department of Defense
- Established an operational ADL-Registry at the Defense Technical Information Center
- Completion of the SCORM 2004 interoperability standard 3rd edition, which is being adopted globally; 179 products have been formally certified; technical workshops are provided throughout the year
- Convened a “Plugfest” for interoperability testing at Tamkang University in Taiwan. More than 300 individuals/organizations attended
- Convened an annual "Implementation Fest" for the military services and vendors in using SCORM, attended by 400
- Published research articles in leading professional journals on the effectiveness of online learning compared to classroom training
- Conducted evaluation workshops on methods to measure ADL effectiveness.

C. Other Program Funding Summary: not applicable

D. Acquisition Strategy: not required

E. Major Performers:

FY 2006 Concurrent Technologies Corporation, Johnstown, PA, - SCORM 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 – Trafficking in Persons course; University of Memphis, Memphis, TN; Eduworks Corp., Eugene, OR; BBN, Cambridge, MA.

FY 2007 - 2008 Concurrent Technologies Corporation, Johnstown, PA; Institute for Defense Analyses, Alexandria, VA; Joint ADL Co-Lab, Orlando, FL; Alion Science and Technology, Newport News, VA; University of Wisconsin, Madison, WI