Exhibit R-2, **RDT&E Budget Item Justification:** FY 2018 Office of the Secretary Of Defense		**Date:** May 2017

Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 3: *Advanced Technology Development (ATD)*	**R-1 Program Element (Number/Name)** PE 0603769D8Z *I Advanced Distributed Learning*

COST ($ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	0.000	10.384	11.211	-	11.211	11.186	11.241	11.597	11.812	Continuing	Continuing
001: *Advance Distributed Learning (ADL)*	-	0.000	10.384	11.211	-	11.211	11.186	11.241	11.597	11.812	Continuing	Continuing

A. Mission Description and Budget Item Justification

The ADL Initiative collaborates with the DoD, the Federal government, Industry, and Academia partners to shape the way people learn, grow, and perform. The ADL Program provides DoD, other Federal agencies, and international partners with innovative: (1) standards for training and education software, systems, and associated Web services that demonstrate the "art of the possible;" (2) prototypes and proofs of concept that harness the power of learning technologies, such as computer/Web-based training, serious games, The ADL Initiative collaborates with the DoD, the Federal government, Industry, and Academia partners to shape the way people learn, grow, and perform.

B. Program Change Summary ($ in Millions)

	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	10.384	11.211	-	11.211
Total Adjustments	0.000	10.384	11.211	-	11.211
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program transferred in from DHRA	-	-	11.211	-	11.211
• Realignment of Funds from O&M to RDT&E	-	10.384	-	-	-

Change Summary Explanation

FY 2017 adjustment of $+10.384 is the realignment of ADL funds from O&M to RDT&E.

C. Accomplishments/Planned Programs ($ in Millions)

	FY 2016	FY 2017	FY 2018
Title: Advance Distributed Learning (ADL)	0.000	10.384	11.211
Description: ADL serves as the thought-leader for the DoD and other government agencies for learning science and learning			

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C. Accomplishments/Planned Programs ($ in Millions)	**FY 2016**	**FY 2017**	**FY 2018**
technologies, enabling innovation, finding efficiencies, guiding customers into the future, and creating a shared vision and strategy for ADL's partners. ***FY 2016 Accomplishments:*** N/A ***FY 2017 Plans:*** N/A ***FY 2018 Plans:*** Continue work with the DoD and interagency community for reducing costs and improving the effectiveness of training/ education by sharing distributed learning content and best practices, standardizing terminology and technologies, and facilitating implementation of efficient, effective, and interoperable distributed learning across DoD and the Federal Government; Continue to steward distributed learning policy, plans, strategy guidance, and associated communities of practice, including the Defense Advanced Distributed Learning Advisory Committee; Continue RDT&E projects focused on e-learning, mobile learning, learning analytics and performance modeling (e.g., Personal Assistant for Learning), web-based virtual worlds and simulations, interoperability infrastructure (e.g., Total Learning Architecture), and associated learning theory, in order to integrate innovative distributed learning science, technologies, trends, and methodologies into DoD education and training programs; Continue collaborative efforts with the Services, other government agencies, academia, industry, professional specifications and standards bodies, and international coalition partners for development and implementation of next-generation, interoperable distributed learning.			
Accomplishments/Planned Programs Subtotals	0.000	10.384	11.211

D. Other Program Funding Summary ($ in Millions)
 N/A
Remarks

E. Acquisition Strategy
 N/A

F. Performance Metrics
1.   Conduct proof-of-concept demonstration of the Total Learning Architecture with military personnel.
2.   Deliver and support xAPI conformance test suite to aid government acquisition of xAPI-enabled systems.

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3.   Facilitate knowledge sharing and interoperability among DoD, other Federal Agencies, and supporting distributed learning stakeholders through specification development, policy stewardship, open source initiatives, and other coordination.

4.   Evaluate the impact of Information Assurance issues on use of distance learning within DoD and other Federal Agencies.

5.   Participate in Defense, government, coalition, and professional collaborations to influence distributed learning strategy, policy, standards, and use to enable more efficacious, efficient, and cost-effective implementation of training/education.