

Modernizing Learning and the Total Learning Architecture

About the ADL Initiative

PROGRAM: [Advanced Distributed Learning \(ADL\)](#)

DIRECTOR: [Sae Schatz, Ph.D.](#) (CIV)

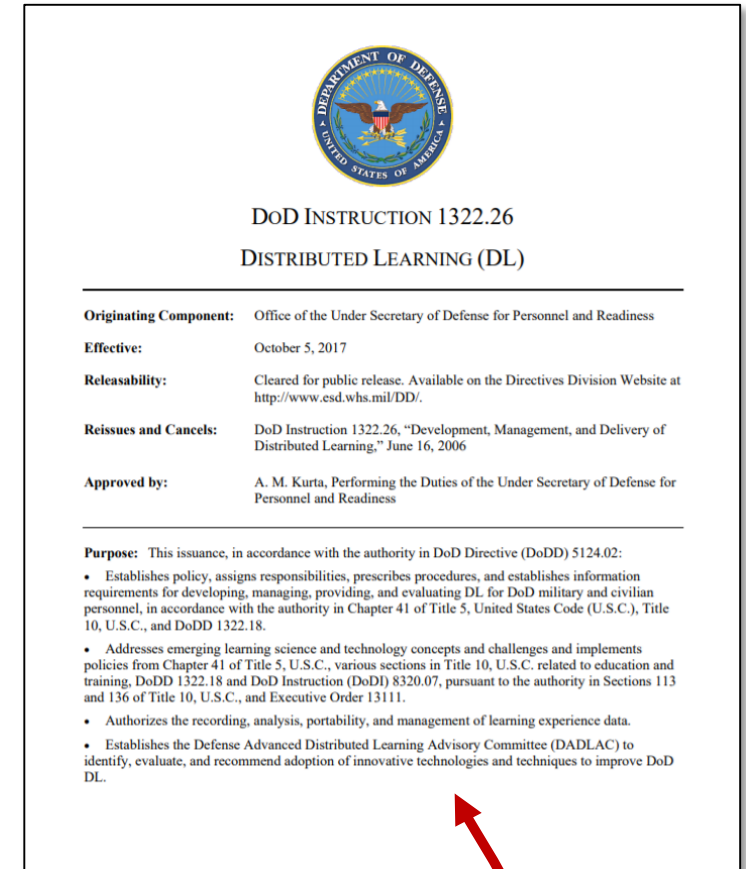
CHAIN OF COMMAND: ASD(Readiness) -> USD(P&R)

PURPOSE: Facilitate interoperability and promote best practices for Distributed Learning (DL)...

LINES OF EFFORT:

1. **R&D** for distributed learning
2. **Policy** for distributed learning
3. **Community** coordination (DoD, Coalition, S&T)

DoDI 1322.26: “The ADL Initiative is the principal steward for researching and facilitating the implementation of DL standards, specifications, and emerging technologies for DoD Components.”



Agenda

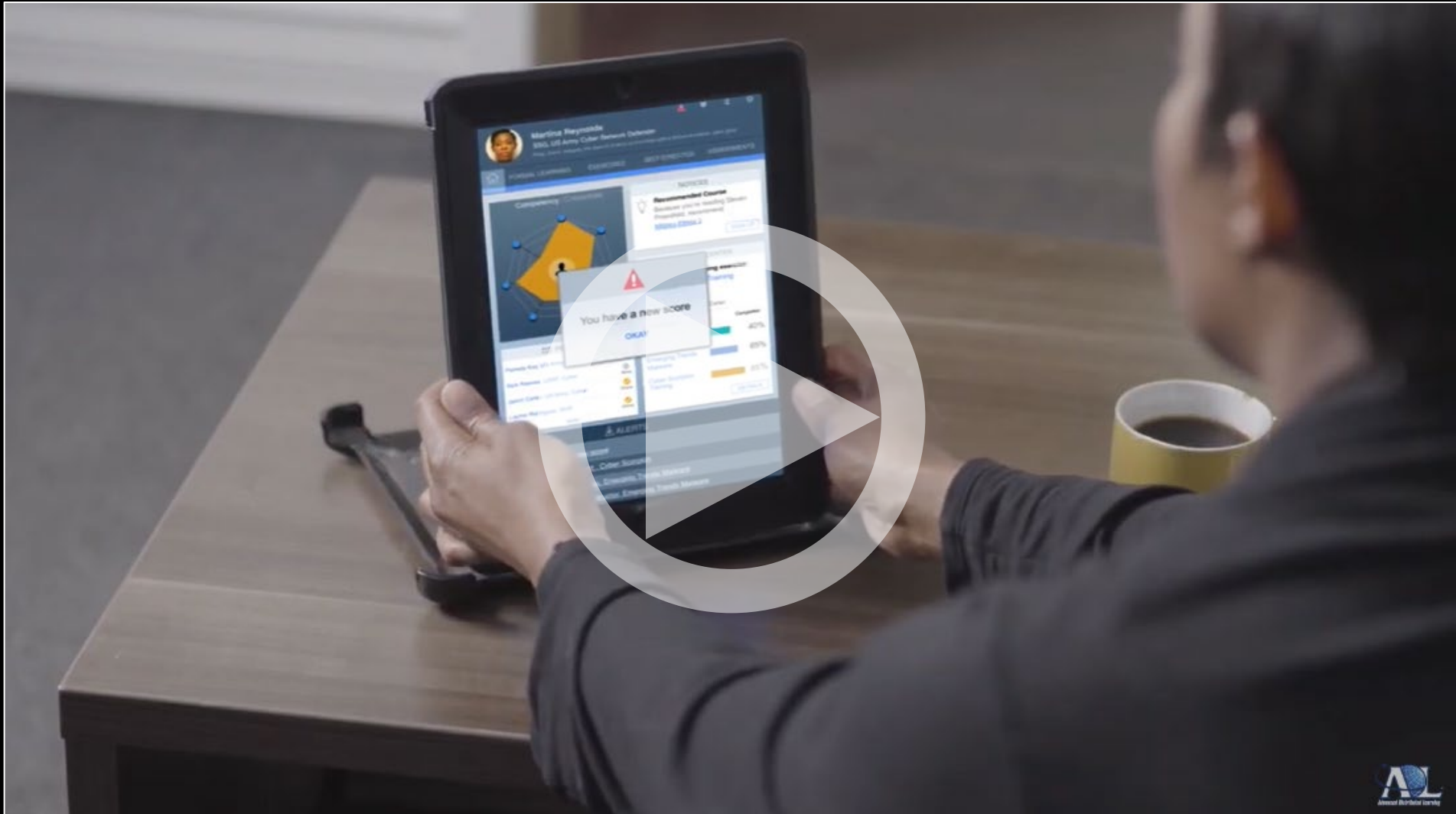
- (1) 50,000' level: **Modernizing Learning** vision
- (2) 25,000' level: **Enterprise Digital Learning Modernization** reform
- (3) 10,000' level: **Total Learning Architecture** enterprise architecture
- (4) Additional **resources**

PART 1: THE VISION

Modernizing Learning

[Download PDF](#)

The *Modernizing Learning* book outlines the big-picture vision for the “future learning ecosystem,” i.e., a system-of-systems to enable a continuum of learning across federated technologies. The book has a creative commons license, encouraging reuse. You can get the “raw” files from ADL (look in the notes section of this slide).



<https://youtu.be/nTDS6YHvJrg>

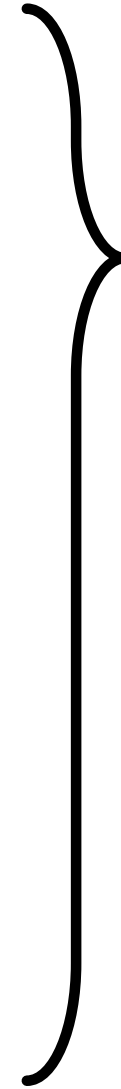
Integrated Technology

Driven by Data

Learning Science Informed

Formal and informal

Individual and Organizational



Future Learning Ecosystem



[Download PDF](#)



PART 2: THE DoD PROGRAM

Enterprise Digital Learning Modernization

This section gives an overview of EDLM, which is a DoD-wide initiative. It aligns well with Service initiatives, e.g., Ready Relevant Learning or Army Learning Concept 2035, and it represents the program associated with the Modernizing Learning vision at an enterprise level.



Hon. Lisa Hershman

Chief Management Officer,
Department of Defense

iFEST

“While DoD's modernization efforts have definitely improved, challenges still remain regarding acquisition management and leveraging DoD's federated business enterprise architecture. EDLM is addressing these challenges with a plan for modernization of our education and training system. [...] EDLM is transforming how DoD provides education and training to its workforce. This is an important culture shift in how we do business.”

Keynote Presentation, 17 August 2020

<http://www.ifest2020.com>



Assisted Acquisition and Shared Services

Buy Better

Maintain Better



Learning Ecosystem

**Enterprise
Architecture**

Data

ENTERPRISE COURSE CATALOG

ENTERPRISE LEARNER RECORD REPOSITORY

LEARNING ACTIVITY

(e.g., Run-time rules, individual run-time performance, paradata)

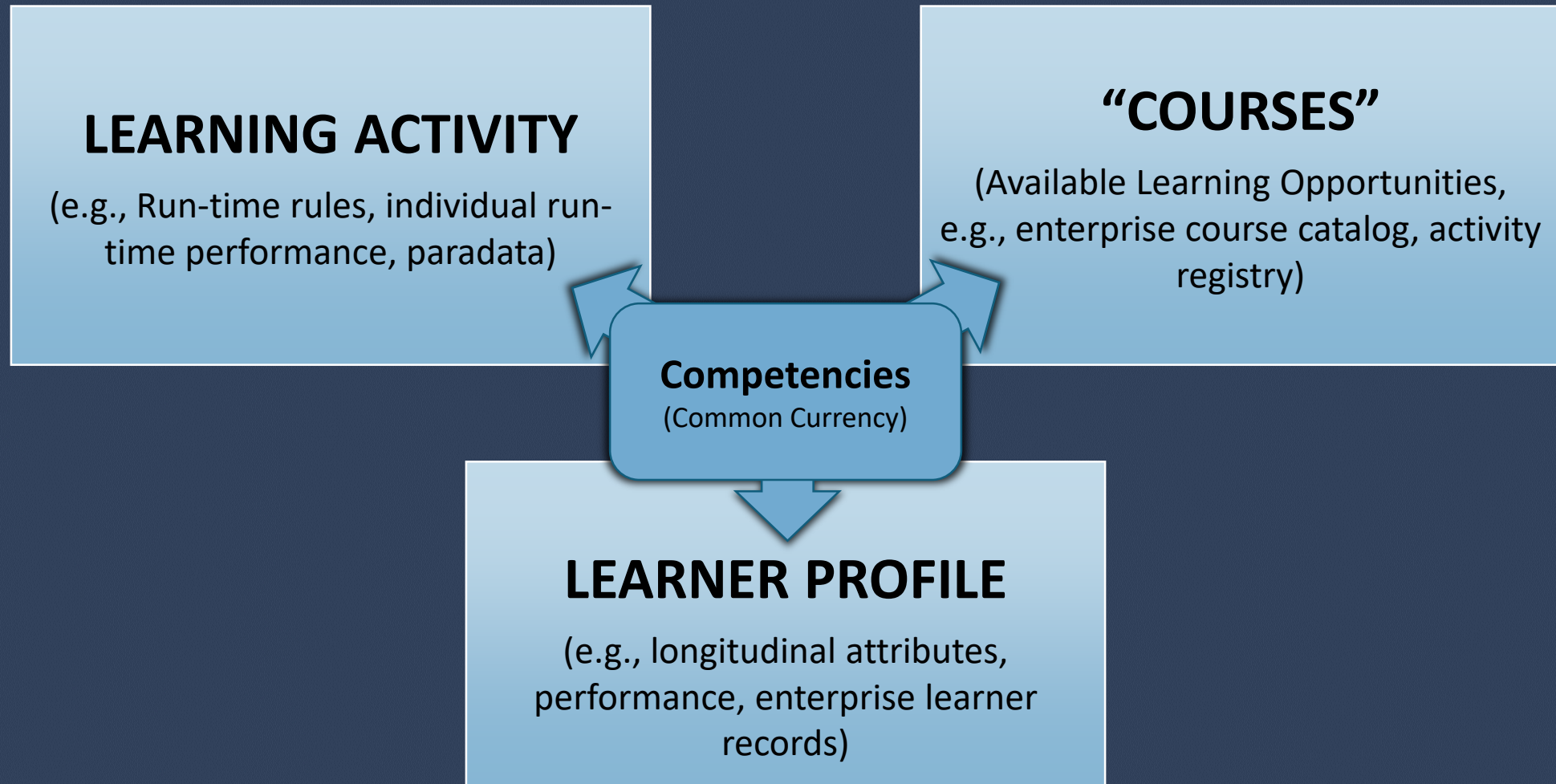
“COURSES”

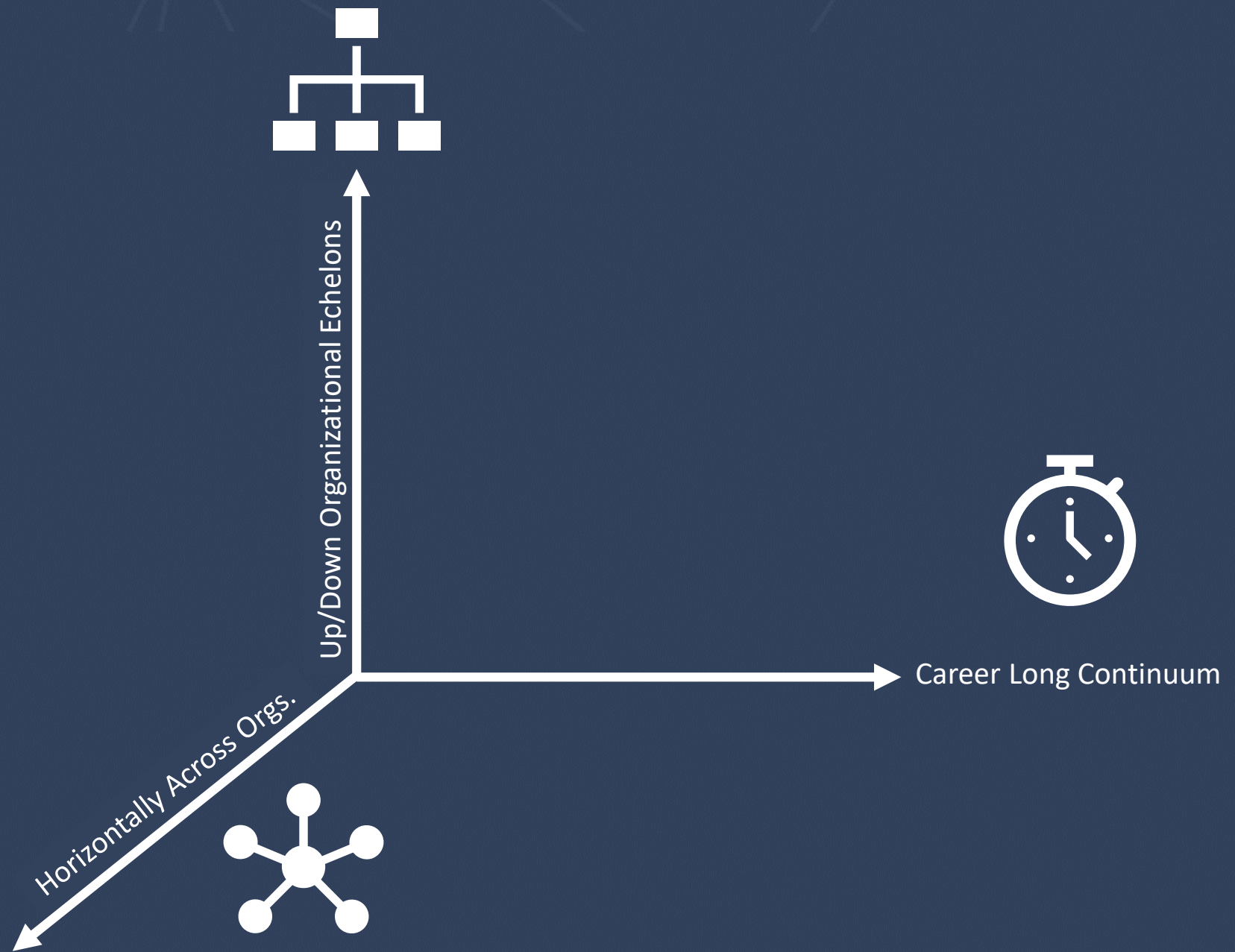
(Available Learning Opportunities, e.g., enterprise course catalog, activity registry)

Competencies
(Common Currency)

LEARNER PROFILE

(e.g., longitudinal attributes, performance, enterprise learner records)







PRESERVING OUR COMPETITIVE ADVANTAGE

PERSONNEL AND READINESS STRATEGY FOR 2030

OCTOBER 2020

DoD DATA STRATEGY

2020



DoD Reform Effort Puts Digital Learning Systems at the Forefront

adlnet.gov/news/2020/09/25/DoD-Reform-Effort-Puts-Digital-Learning-S...

An official website of the United States government Here's how you know



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Terms Glossary

DoD Reform Effort Puts Digital Learning Systems at the Forefront

September 25, 2020

Today, DoD spends an estimated \$500 million a year on digital learning products and services (a figure that doesn't even include large military training systems, simulations, or classified training requirements). To make the most of this investment, DoD is undertaking the Enterprise Digital Learning Modernization (EDLM) initiative.

The Pentagon's Reform Management Group approved EDLM in July 2018. In broad strokes, the reform first seeks to get a handle on DoD's education and training spending—reducing duplications of effort, encouraging the use of shared services, and streamlining acquisition processes. Second, the reform seeks to encourage interoperability at the DoD-wide level. This starts by building an enterprise course catalog and an enterprise learning record repository, but the ultimate vision is to have a Department-wide federated digital learning ecosystem.



DoD's Chief Management Officer (CMO), the Honorable Lisa W. Hershman, chairs the Reform Management Group. At the [iFEST 2020 conference](#), she recently shared her perspectives on EDLM. "While DoD's modernization efforts have definitely

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GOVERNMENT KEYNOTE SPEAKER

Lisa Hershman
Chief Management Officer, Department of Defense



Watch Keynote


Building the Infrastructure for DoD Digital Learning Modernization

July 30, 2020

The ADL Initiative has released a report detailing its progress in developing the [Total Learning Architecture](#) (TLA). The TLA is a collection of data standards, interoperability specifications, IT architectural schemes, and policies that are collectively designed to enable federated digital learning ecosystems. This approach promises to modernize education and training for the DoD enterprise and beyond.

The [2019 TLA Report](#) provides context for multiple efforts, each focused on developing foundational components of the “future learning ecosystem.” This ecosystem concept links together DoD’s disparate education and training digital learning systems into an interoperable system of systems that is fueled by the collection, sharing, and analysis of terabytes of learner data.


The TLA project began in earnest in 2016 with the vision of establishing a common data strategy across the DoD



Total Learning Architecture

Enterprise Course Catalog

Pre-Alpha Prototype Final Report



Prepared by
The ADL Initiative

DISTRIBUTION STATEMENT A. Approved for public release; distribution unlimited.

Enterprise Course Catalog

PART 3: RESOURCES


Find Other Resources

You can find many additional reports, specifications, policies, guidance, and code at the ADL website: www.adlnet.gov.
You can also join the Defense ADL Advisory Committee for regular updates and coordination.

ADL Initiative x +




adlnet.gov

An official website of the United States government [Here's how you know](#)

 Advanced Distributed Learning Initiative

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Building the Future Learning Ecosystem

R&D for Distributed Learning Modernization *informs* Distributed Learning Policy and Technical Guidelines *guides* Implementation Support and Cross-Coordination

Announcements

[iFEST 2020: New Features for an Engaging, Interactive Conference Experience](#)

2020

<https://adlnet.gov>

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