

Future Learning Ecosystem for Military Readiness



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Office of the Secretary of Defense



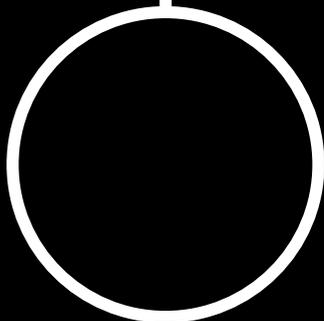
USD Personnel and Readiness



ASD Readiness



DASD Force Education and Training

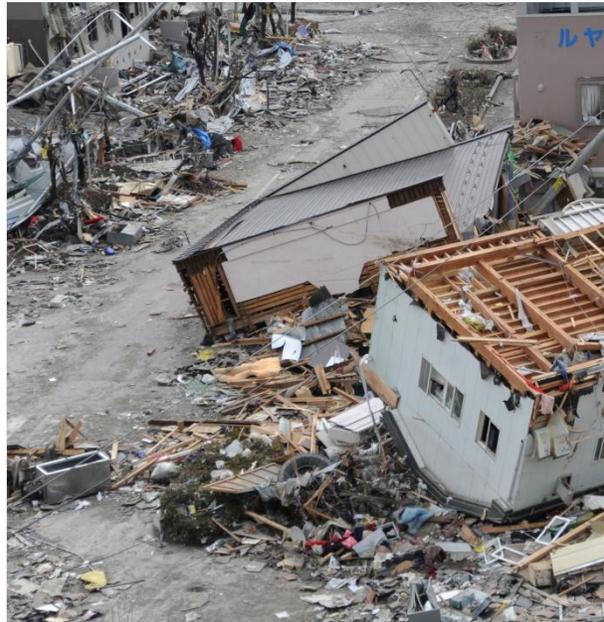


Policy



Coordination

Why
change?





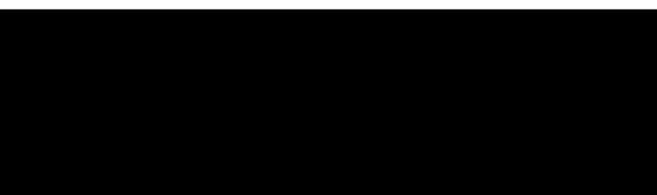
...requires **changes to the way we train and educate our leaders and our forces, and how we organize for improved Departmental agility.**

Jim Mattis
U.S. Secretary of Defense



Today's security environment is dramatically different—and more diverse and complex in the scope of its challenges—than the one we've been engaged with for the last 25 years, and it **requires new ways of thinking and new ways of acting.**

Ash Carter
U.S. Secretary of Defense
(2015-2017)



A Dia
**A Campaign
To
Institution**

*We must think differently about
develop leaders and how we
train, and equip our soldiers*

About 18 months ago, U.S. Army
Doctrine Command launched
learning for our Army to combat
and adapt to meet the challenges of the
century security environment
that prior to 18 months ago our Army
from it. In fact, during the last nine years
Army has shown itself to be both innovative
performance and adaptive to the less
Nevertheless, we wanted to formalize
and we wanted to make this campaign
dation of institutional adaptation.

Some have asked why we have placed
sis on adaptation. Several significant
over the past decade: hybrid threats from
terrorist and criminal groups with
those of nation states; an exponential
change; and greater complexity. These
an operational environment that is
creasingly competitive and always
sponse, our profession must embrace
and adaptation. We must think differently
develop leaders and how we organize
soldiers and units.

I'm interested in having a conversation
about the future and about adaptation
for consensus nor for affirmation of
fact, the power of our great profession comes from the
versity of thought possible because each of us has un

The U.S. Army Human... Co...
2025
Unified
Win in...
U.S. Army Training...
2



ARMY WARFIGHTING CHALLENGES

As of 1/31/2017

Enduring first-order problems, the solutions to which improve the combat effectiveness of the current and future force.

- 1. Develop Situational Understanding**
How to develop and sustain a high degree of situational understanding while operating in complex environments against determined, adaptive enemy organizations.
- 2/3. Shape the Security Environment**
How does the Army influence the security environment and engage key actors and local/regional forces in order to consolidate gains and achieve sustainable security outcomes in support of Geographic Combatant Commands and Joint requirements.
- 4. Adapt the Institutional Army and Innovate**
How to improve the rate of innovation to drive capability development and deliver DOTMLPF-P solutions to the warfighter at a pace that meets operational demand within the existing constraints of the acquisition and budgeting processes.
- 5. Counter Weapons of Mass Destruction**
How to prevent, reduce, eliminate, and mitigate the use and effects of weapons of mass destruction (WMD) and chemical, biological, radiological, nuclear, and high yield explosives (CBRNE) threats and hazards on friendly forces and civilian populations.
- 6. Conduct Homeland Operations**
How to operate across multiple domains and with multiple partners to defend the homeland and mitigate the effects of attacks and disasters.
- 7. Conduct Space and Cyber Electromagnetic Operations and Maintain Communications**
How to assure uninterrupted access to critical communications and information links (satellite communications [SATCOM], positioning, navigation, and timing [PNT], and intelligence, surveillance, and reconnaissance [ISR]) across a multi-domain architecture when operating in a contested, congested, and competitive operating environment.
- 8. Enhance Realistic Training**
How to train Soldiers, leaders and units to ensure they are prepared to accomplish the mission across the range of military operations while operating in complex environments against determined, adaptive enemy organizations.
- 9. Improve Soldier, Leader and Team Performance**
How to develop resilient Soldiers, adaptive leaders, and cohesive teams committed to the Army professional ethic that are capable of accomplishing the mission in environments of uncertainty and persistent danger.
- 10. Develop Agile and Adaptive Leaders**
How to develop agile, adaptive, and innovative leaders who thrive in conditions of uncertainty and chaos and are capable of visualizing, describing, directing, and leading and assessing operations in complex environments and against adaptive enemies.



UNCLASSIFIED

Preparing for the Sailor of 2025

Time for a New Approach

Why Now?

Modernized Personnel System

- Family, Fitness, Dignity and Respect

Ready, Relevant Learning

Enrich Culture

Innovation

IT Investment

PSM Lead – RDML Brown
 EC Lead – RADM Nowell
 RRL Lead – RADM White

UNITED STATES PACIFIC FLEET

Where it Matters, When it Matters, With What Matters

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NAVAL EDUCATION AND TRAINING COMMAND (NETC) N7
CENTER FOR SERVICE SUPPORT (CSS)
LOGISTICS SPECIALIST (LS) AND LOGISTICS SPECIALIST (SUBMARINE) (LSS)

Block Learning Recommendations Report



16 December 2016

GLOBAL
GLOB

AMER
A CA

USAF STRATEGIC MASTER PLAN



MAY 2015

THE WORLD'S GR



The Redesigned Air Force Continuum of Learning

Rethinking Force Development for the Future

Lt Gen Darryl L. Roberson
Commander, Air Education and Training Command

Dr. Matthew C. Stafford
Vice President for Academic Affairs, Air University



LEMAY PAPERS

Making Good Instructors



“...essential ingredient to mission success is the competence of the individual Marine to think and act effectively under chaotic, uncertain, and adverse conditions.”



MARINE CORPS BIG CONCEPT



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RS



How an Expeditionary Force Operates in the 21st Century

September 2016



U.S. DEPARTMENT OF DEFENSE

HOME TODAY IN DOD

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Carter Details

By Jim Garamone

DoD News, Defense

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Department of Defense Intelligence and Security

Learning Enterprise

JFQ

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UNITED STATES SPECIAL OPERATIONS COMMAND

Special Operations Forces Operating Concept



A Whitepaper to Guide Future Special Operations Force Development

Directorate of Force Management and Development

Concept Development and Integration Office

Version 1.0

1 February 2016



NGA.mil
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY

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Statement for the Record before the U.S. Senate Select Committee on Intelligence



DOWNLOAD

Statement for the Record by Robert Cardillo (PDF)

MORE LEADERSHIP REMARKS

Armed Forces Day 2018
May 19, 2018 — Armed Forces Day message from United States Air Force Chief Master Sgt. Troie Croft, NGA senior enlisted advisor.

9/27/2016

Statement for the Record
before the
Senate Select Committee on Intelligence
Robert Cardillo
Director, National Geospatial-Intelligence Agency
27 September 2016

Chairman Burr, Vice Chairwoman Feinstein, and distinguished members of the Committee, on behalf of the women and men of the National Geospatial-Intelligence Agency (NGA) and the National System for Geospatial-Intelligence (NSG), I am pleased to testify before you today. NGA and our geospatial-intelligence (GEOINT) partners help decision makers, military

What should
we all do?



Enhance instructional quality



**Adopt a competency - based
approach to learning and
development**



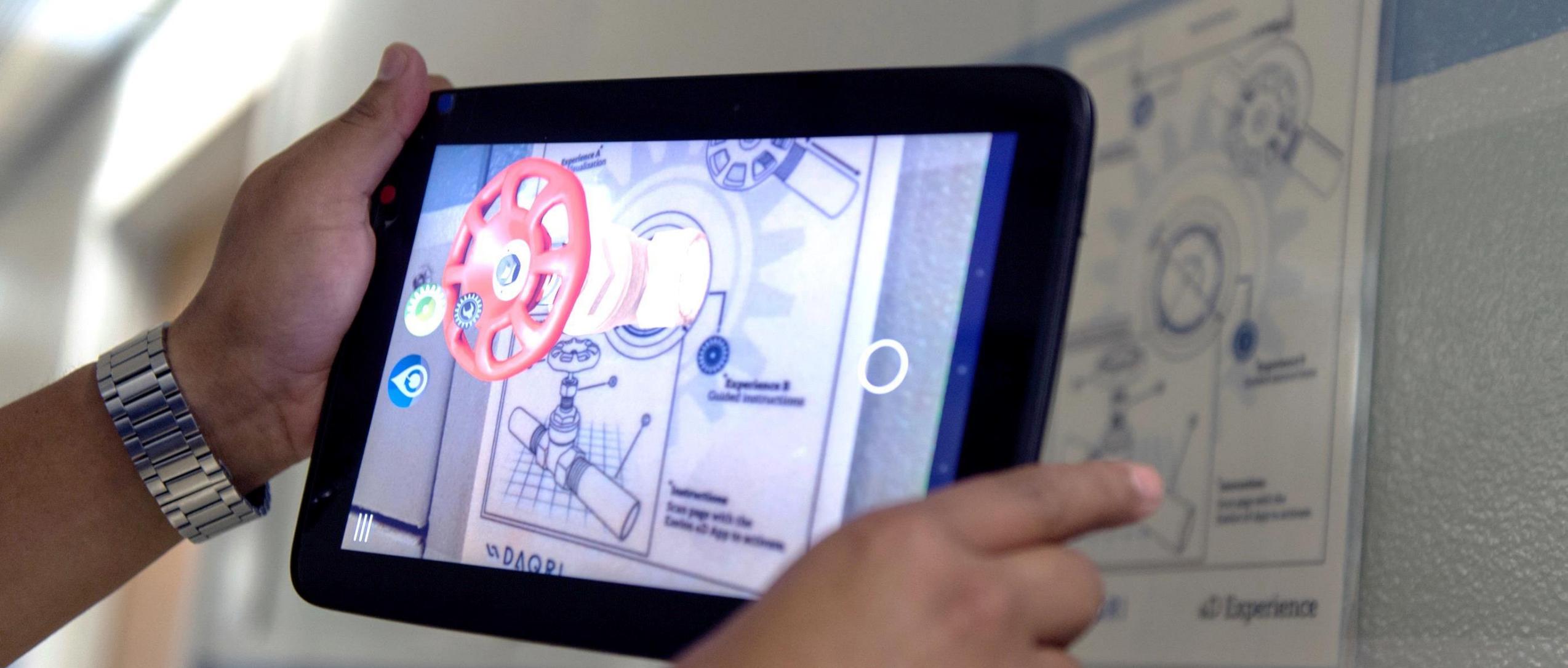
Integrate and visualize data across multiple systems



Use improved data analytics

Provide personalization and multiple pathways for achievement





Deliver more learning at the point of need

Anticipate integrated human-machine systems



A close-up photograph of two hands sorting through a large pile of puzzle pieces on a white surface. The puzzle pieces are primarily blue, with some pieces featuring a colorful, iridescent pattern. The hands are positioned in the center and right of the frame, with fingers reaching into the pile. A dark, semi-transparent rectangular box is overlaid on the upper right portion of the image, containing white text. The background is a plain, light-colored surface.

**Develop a technology-enabled
continuum of learning**



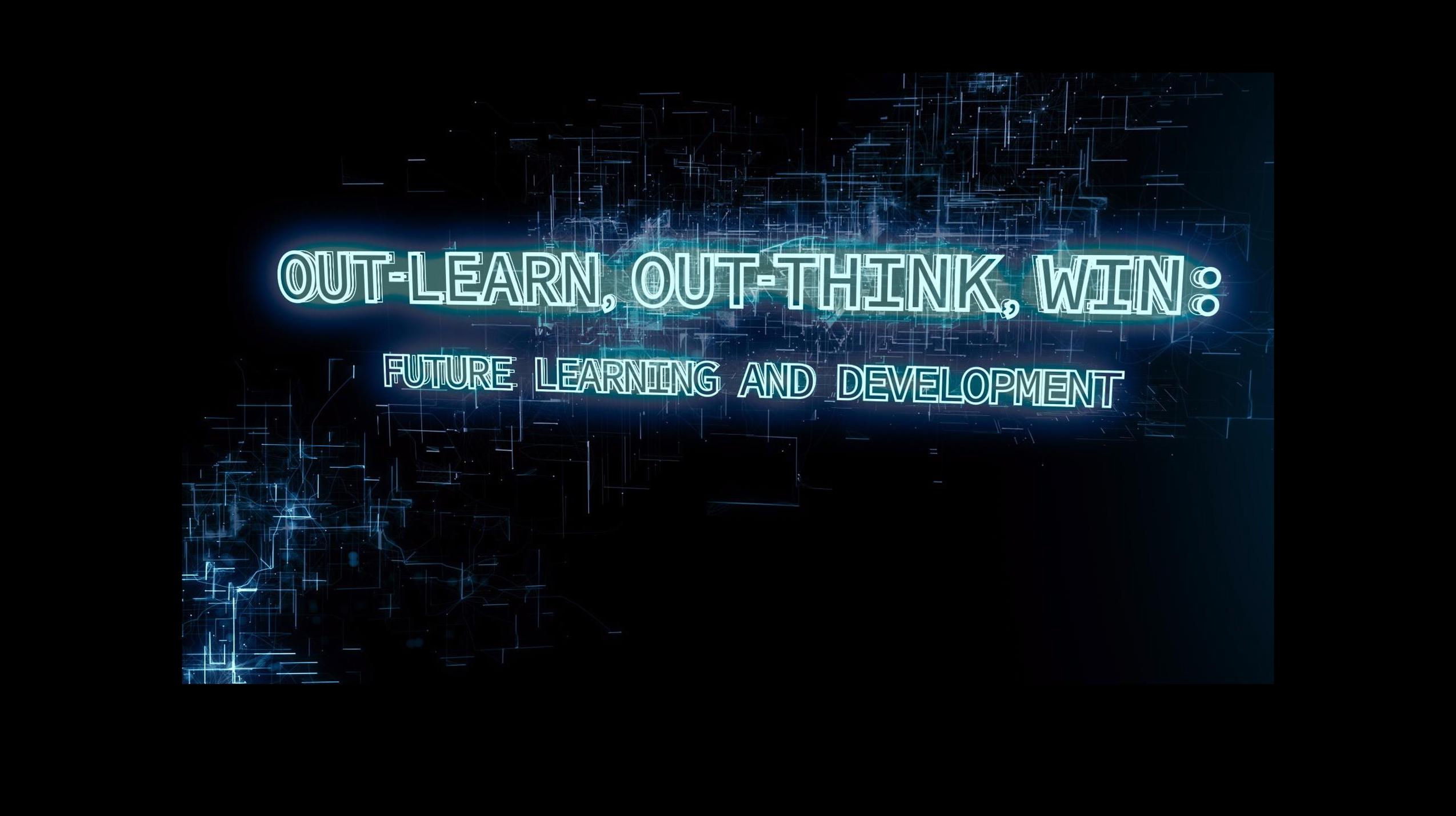
Develop an enterprise approach to talent management

show me

OUT-LEARN, OUT-THINK, WIN ☺

FUTURE LEARNING AND DEVELOPMENT





OUT-LEARN, OUT-THINK, WIN! :

FUTURE LEARNING AND DEVELOPMENT

**Training and
Education
+
Science and
Technology**

1. Instructional quality
2. Competencies
3. Credentials
4. Data integration
5. Learning analytics
6. Multiple pathways
7. At the point of need
8. Human-machine teams
9. Integrated “ecosystem”
10. Enterprise talent system

end.



www.ADLnet.gov

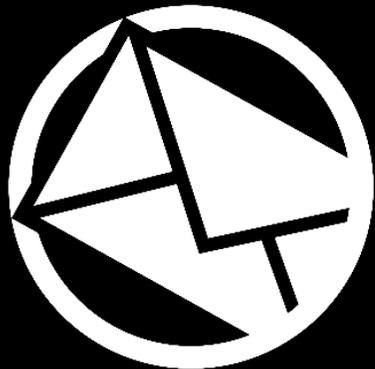
Federal E-learning Science & Technology

iFEST

innovation • instruction • implementation

26-29 AUG 18 (Alexandria, VA)

www.ADLnet.gov/news/iFEST-2018



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