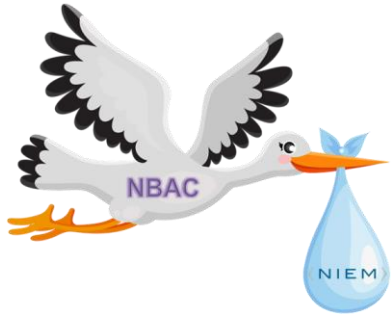
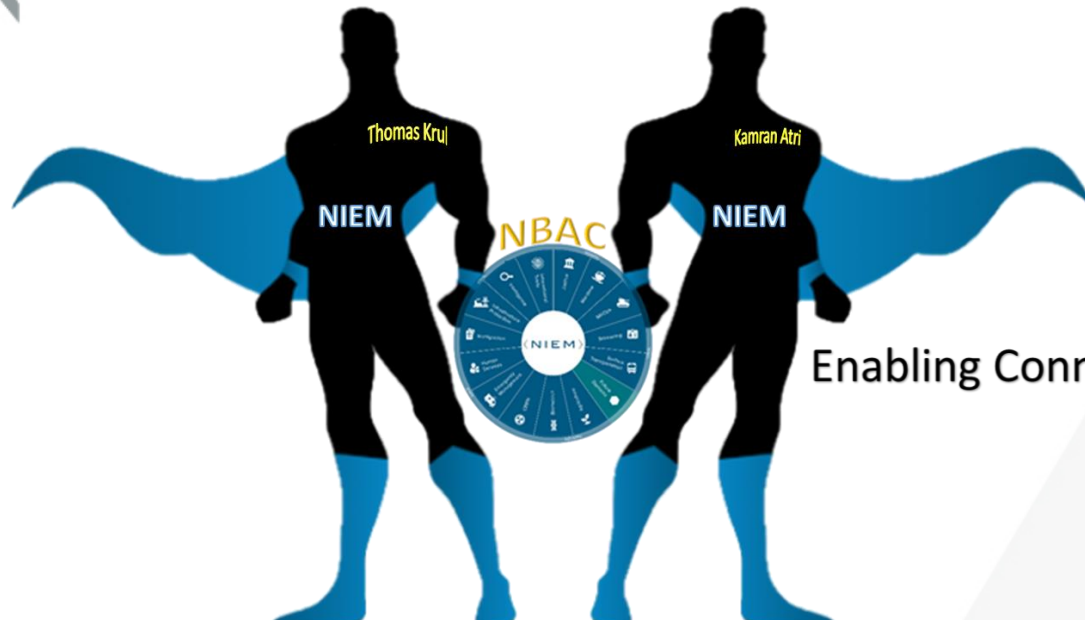


NIEM NBAC F2F 2021



Session II - NIEM Growth & Outreach

< NIEM >™



Enabling Connected ~~Future~~ Now

SESSION II – NIEM GROWTH & OUTREACH

NBAC ANNUAL MEETING - DAY 1			
NBAC Annual Meeting (Tuesday, 14 September 2021)			
PM Session			
Location: Virtual/ MS - TEAMS			
1-1:05	Introduction/Agenda	NBAC Co-Chairs (Mr. Kamran Atri & Mr. Thomas Krul)	<ul style="list-style-type: none"> Welcome Agenda
1:05 -1:30	Introduction Keynote Speaker	Mr. Kamran Atri Mr. Ted Okada (FEMA, Chief Technology Officer, OCIO/Mission Support)	<ul style="list-style-type: none"> Technology role and information sharing What are some of the information sharing pitfalls? IoT and Data Standardization
1:30 - 1:50	Session introduction	Mr. Thomas Krul	<ul style="list-style-type: none"> Growth & Outreach
1:50 - 2	Break		
2 -2:50	Session II - NIEM Growth Introduction Guest Speaker	Mr. Thomas Krul Mr. Thomas Krul Ms. Anne Marie Dinardo (ADL)	<ul style="list-style-type: none"> Growth & Outreach Outreach Best Practices
2:50 - 3	QA/Wrap-up/Action Items	NBAC Co-Chairs (Mr. Kamran Atri & Mr. Thomas Krul)	<ul style="list-style-type: none"> Closing

HOUSEKEEPING:

- ***MUTE** your mic when you're not talking*
- ***Identify yourself before you start to speak***
- ***Speak clearly***
- ***Disable “call waiting” feature***
(the clicking noise can be heard by all)

Please note: All 2021 sessions are audio recorded for NIEM training & communications purposes

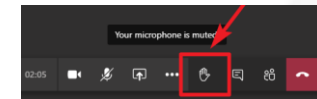
QUESTIONS & ANSWERS ARE ENCOURAGED!

To signal you want to contribute without interrupting the speaker

- Enter comments via **CHAT window** at any time

To signal a question or respond to a question

- Click on '**Raise your hand**' button on meeting toolbar



(Lower hand after you've talked by clicking hand button again)

All session briefings are available on **NIEM's GitHub** for download as they occur

<https://github.com/NIEM/NIEM-Annual-Meetings/tree/master/2021>

Session Speakers

– Primary Facilitator

- Thomas Krul



– Primary Facilitator

- Kamran Atri



– Keynote Speaker

- Ted Okada



– Guest Speaker

- Anne Marie DiNardo



- Andy Johnson



REMINDER:

- *Every NBAC member shares and is part of NIEM decision-making process.*
- *We will seek consensus for decisions arising from the NBAC F2F 2021.*
- *The TEAMS meeting (s) will be recorded, action items assigned, and decisions implemented.*
- *We plan to adhere to the topics and schedule as outlined in the Agenda.*
- *Don't be shy, speak up when you have something to say.*
- *Ask questions if you are unclear or unsure... share your views.*
- *Expand your professional network here with your fellow data standards gurus.*

GROWTH AND OUTREACH

- *NIEM isn't a "members-only" club*
- *The more ubiquitous the model, the more effective the outcome: ensuring that information exchange is facilitated thru the consistency of using NIEM.*
- *It's a lot like getting people to go to your team's football game, buying your product, or selling Girl Guide cookies: it's partly marketing and communications.*
- *Brand Management + Demand Creation*



THE ROAD TO UBIQUITY

- *The BRAND: “I’ve heard of it before, what is it?”*
 - *What does it mean in the mind (positioning)*
 - *Understanding your consumers*
- *The OFFERINGS (Domains):*
 - *Spread it out, everywhere and on everything*
 - *“I have a great idea on how to use it somewhere else”*
 - *Domains are like product categories (SUVs and Sports Cars) but you can segment even further: small, mid-size, luxury, off-road SUVs*
- *The SELL:*
 - *We don’t have dealerships (but we have a great website)*
 - *Word-of-mouth, evangelization, standardization, USING IT*



TED OKADA



TED OKADA

CHIEF TECHNOLOGY OFFICER (CTO)

FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)

A member of the Senior Executive Service and FEMA's CTO, Mr. Okada is responsible for leading the technology strategy and direction for a wide variety of mission, business and enterprise systems, providing guidance, advisory services as well as investment and change management planning. Under his leadership, he has aspired to drive FEMA towards the ethos of an "expeditionary start-up organization" by leveraging a broad range of continuous improvement initiatives involving open data, geospatial technologies, cyber security, as well as a whole community approach to interoperable communications in the event of a disaster.

Mr. Okada is the creator and executive sponsor of OpenFEMA—a project that ensures FEMA is providing timely, usable, and accurate information to constituents to enhance and promote a transparent and collaborative culture within FEMA.

This growing open source and digital nature of information-sharing and communications were opened for use by the media, non-profits, and universities immediately after the Hurricane Sandy disaster that resulted in several outcomes benefitting storm survivors. And since then, it has only increased through multiple catastrophic disasters since 2012.

Mr. Okada has been with FEMA since March 2012 and previously served as the Senior Advisor for Technology for the FEMA Administrator. He has over thirty previous years in international relief and development with a decade in internet services architecture and two technology start-ups.

He served as the Director of U.S. Global Public Private Partnerships as well as Director of the Humanitarian Systems Group, both positions at Microsoft.

Mr. Okada is a 1982 graduate of Northwestern University with a B.A. in Mathematical Methods in the Social Sciences and Economics. He also served over five years as a member of Burke Fire Station 14 in Fairfax County, Virginia.

OpenFEMA

FEMA's resource to make data available to the public in open, machine-readable formats

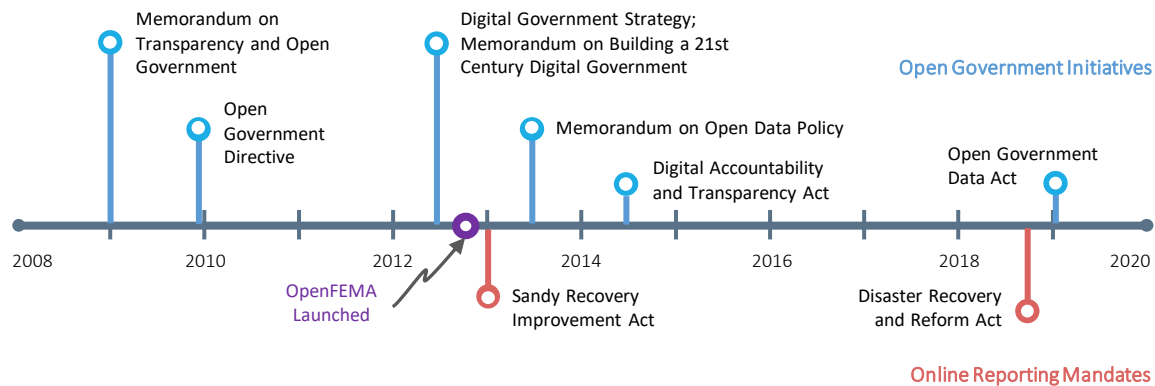
Mission

Promote a culture of Open Government within FEMA and increase transparency, participation, and collaboration among the Whole Community in support of FEMA's mission of helping people before, during, and after disasters.

What is OpenFEMA?

- A collection of datasets available for download from FEMA's public website, along with an application programming interface (API) that provides data in an easily digestible, machine- readable format
- OpenFEMA is a data delivery system
 - Not a reporting system; Not an analytics platform
 - No enrichment to the data
 - We publish source data approved for public release wherever possible without duplication
- OpenFEMA data is public – no PII, no sensitive information, no sharing agreements needed
- Datasets are updated with varying frequencies – 20 minutes, hourly, daily, monthly, and yearly
- Data offered in JSON, JSONA, and CSV formats

History – Legislative Mandates

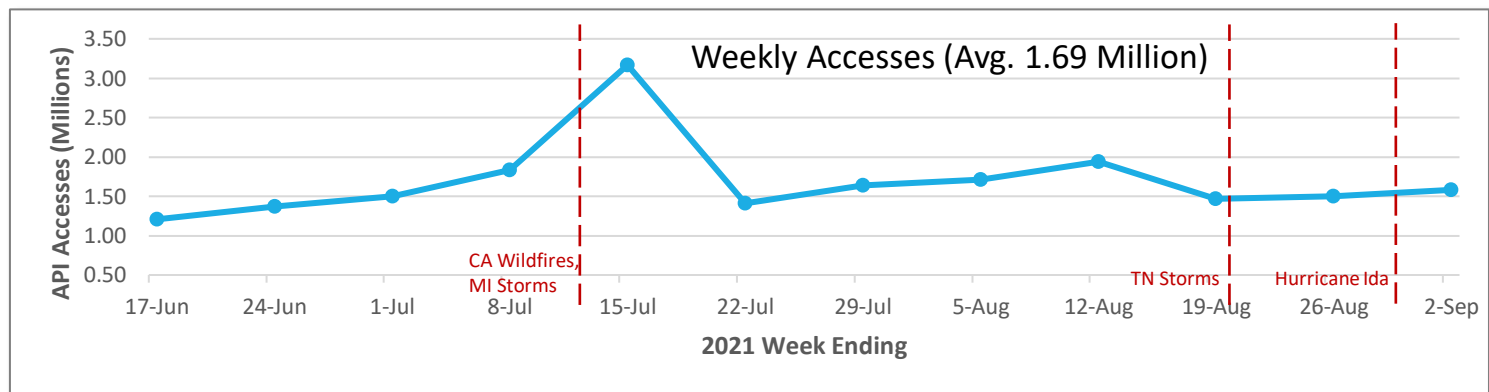


- Created in 2013 to meet requirements of the May 23, 2012 Digital Government Strategy
- Supporting movement towards open data, government transparency and accountability
- In compliance with Legislative mandates to release government data in a machine readable- formats

History – Improve FEMA's Data Sharing

- Reduction of FOIA Workload
- Accelerated Delivery Time for Data
- Reduction in Complexity
- Reuse or Ongoing Return of Investment
- OpenFEMA as a Model for API Innovation
- Government Transparency
- Agency Accountability
- Driver for Academic Research

Access/Usage Statistics



Top 5 Accessed API Endpoints

Endpoint Name	Weekly Avg.
DisasterDeclarationsSummaries	1,521,883
FimaNfipPolicies	55,068
PublicAssistanceFundedProjectsDetails	30,225
FemaWebDisasterDeclarations	22,706
IndividualsAndHouseholdsProgramValidRegistrations	20,198

Monthly Activity

Month (2021)	Accesses (Millions)	Unique Visitors
June	7.78	62,776
July	8.53	73,021
August	7.45	54,168

What Data is Available?

- Disaster Declaration Information
- Emergency Management, Preparedness, and Alerts
- Individual and Public Assistance
- Hazard Mitigation
- National Flood Insurance Program
- Miscellaneous Data Sets
 - Metadata
 - Region shape files
 - USFA NFIRS data

OpenFEMA Datasets web page has a comprehensive list:
<https://www.fema.gov/about/openfema/data-sets>

Quick Facts

- 25 endpoints/data sets (2 dedicated to metadata)
- 9 FEMA Library data sets
- 5 to 7 million accesses per month (API data alone)
- Largest data set 50+ million records
- Historical *and* current data
- Datasets are updated with varying frequencies – 20 minutes, hourly, daily, monthly, and yearly
- Data available in JSON, JSONA, and CSV formats

Individual Assistance Data

- 6 data sets. Source: NEMIS (National Emergency Management Information System)
- Individuals and Households Program – Valid Registrations
 - Contains over 20 years of information
 - Contains over 60 fields such as:
 - Disaster info & Location
 - Damage and Award Amounts
 - Applicant Demographics & Needs
 - Base data set for other aggregated data sets
 - Housing Assistance Program Data – Owners/Renters
 - Registration Intake and Individuals Households Program
- Individual Assistance Housing Registrants – Large Disasters
 - Contains US Census Block for Harvey, Irma, Maria (2017) and Florence (2018)

Public Assistance Data

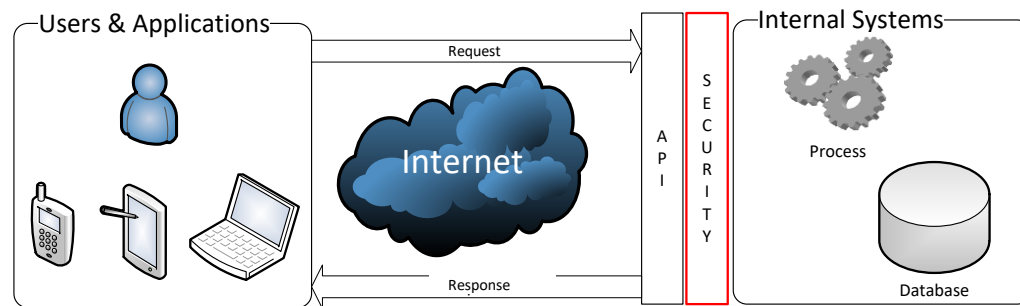
- 5 data sets. Source: EMMIE (Emergency Management Mission Integrated Environment)
- Public Assistance Funded Projects Summary
 - Contains summary of the funded program support by recipient/sub-grantee
- Public Assistance Funded Projects Details
 - Contains financially obligated projects (a.k.a. - project worksheets)
- Public Assistance Applicants
 - Summarized (sub-grantee) information that supplements the 'Public Assistance Funded Projects Detail' dataset

Primary Users

- Financial, mortgage and real estate, insurance companies
- Universities/Academic institutions
- Building and construction companies
- Journalists
- Internal FEMA and other Federal/State/Local government agencies
- Congress (for congressionally mandated datasets)

What is a Web API?

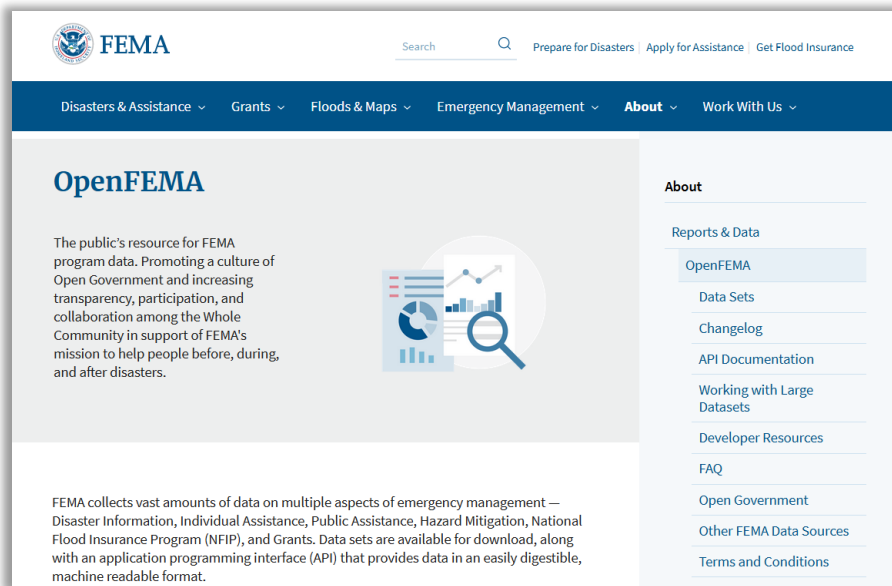
- **Application Programming Interface (API)** - A set of software instructions and standards that facilitate machine to machine communication
- Often referred to as Web Services or Web APIs
- Provides a way for developers to build apps, websites, widgets, and other tools based on government information
- Most major sites on the internet today are built using APIs
- APIs complement existing bulk datasets
- Examples:
 - [https://www.fema.gov/api/open/v1/DisasterDeclarationsSummaries?\\$filter=disasterNumber%20eq%204050](https://www.fema.gov/api/open/v1/DisasterDeclarationsSummaries?$filter=disasterNumber%20eq%204050)
 - <https://www.opm.gov/xml/operatingstatus>



Getting Started

Access the website: <https://www.fema.gov/open>

- No account required
- Subscription/key not required
- No rate limiting
- No sharing/access agreements
- Well documented
- Support available from openfema@fema.dhs.gov



Dataset Page Highlights

Detailed data dictionary

Data Fields

Name	Title	Type	Description	Is Searchable
femaDeclarationString	FEMA Declaration String	string	Agency standard method for uniquely identifying Stafford Act declarations - Concatenation of declaration type, disaster number and state code. Ex: DR-4333-NC	yes
disasterNumber	Disaster Number	number	Sequentially assigned number used to designate an event or incident declared as a disaster. For more information on the disaster process, please visit https://www.fema.gov/disasters/how-declared	yes
state	State	string	The name or phrase describing the U.S. state, district, or territory	yes
declarationType	Declaration Type	string	Two character code that defines if this is a major disaster, fire management, or emergency declaration. For more information on the disaster process, please visit https://www.fema.gov/disasters/how-declared	yes
declarationDate	Declaration Date	date	Date the disaster was declared	yes
fyDeclared	FY Declared	number	Fiscal year in which the disaster was declared	yes

Metadata and detailed description

OpenFEMA Dataset: Disaster Declarations Summaries - v2

Version: 2

Last Data Refresh: 04-27-2021

Entity Name	DisasterDeclarationsSummaries
API Endpoint	https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries
Update Frequency	R/PT20M
Program URL	https://www.fema.gov/disasters
Category	Disaster Information
Keywords	disaster, declaration, fema, nemis, emergency

Description

FEMA Disaster Declarations Summary is a summarized dataset describing all federally declared disasters. This dataset lists all official FEMA Disaster Declarations, beginning with the first disaster declaration in 1953 and features all three disaster declaration types: major disaster, emergency, and fire management assistance. The dataset includes declared recovery programs and geographic areas (county not available before 1964; Fire Management records are considered partial due to historical nature of the dataset).

Links to full file downloads

Full Data

Format	Address	Record Count	Approximate File Size
csv	Link to csv	61962	small (10MB - 50MB)
json	Link to json	61962	small (10MB - 50MB)
jsona	Link to jsona	61962	small (10MB - 50MB)

OUTREACH AND GROWTH PLANNING

- *Looking for ways to stretch the dollar and the resources.*
- *Moving towards the Open-Source model: being the best at what we are needed for, addressing the business (community) needs, cost-effective results, and inclusiveness/growth.*
- *Looking for ways to reach new audiences and communities/solutions.*
- *Looking for traction in underserved communities.*



ANNE MARIE DINARDO



Anne Marie DiNardo is a seasoned strategic communications professional who leverages her knowledge and expertise to advise government clients on implementing high profile programs. Her focus areas include change management, user adoption, stakeholder/community management, public speaking, event planning, knowledge management, and storytelling.

Ms. DiNardo has a project management professional certification and has given talks on incorporating change management into project plans for DC area project management Institute brown bags and has made conference presentations on creating an impactful change culture.

She currently implements outreach strategies for the ADL Initiative, a DoD effort to modernize education and training at an enterprise level through innovative research and development projects. During her career, she has advised agency executives on change management best practices for government-wide IT modernization policy implementation and developed innovative ways to use web-based tools to empower staff worldwide in support of a President's Emergency Plan for AIDS Relief program.

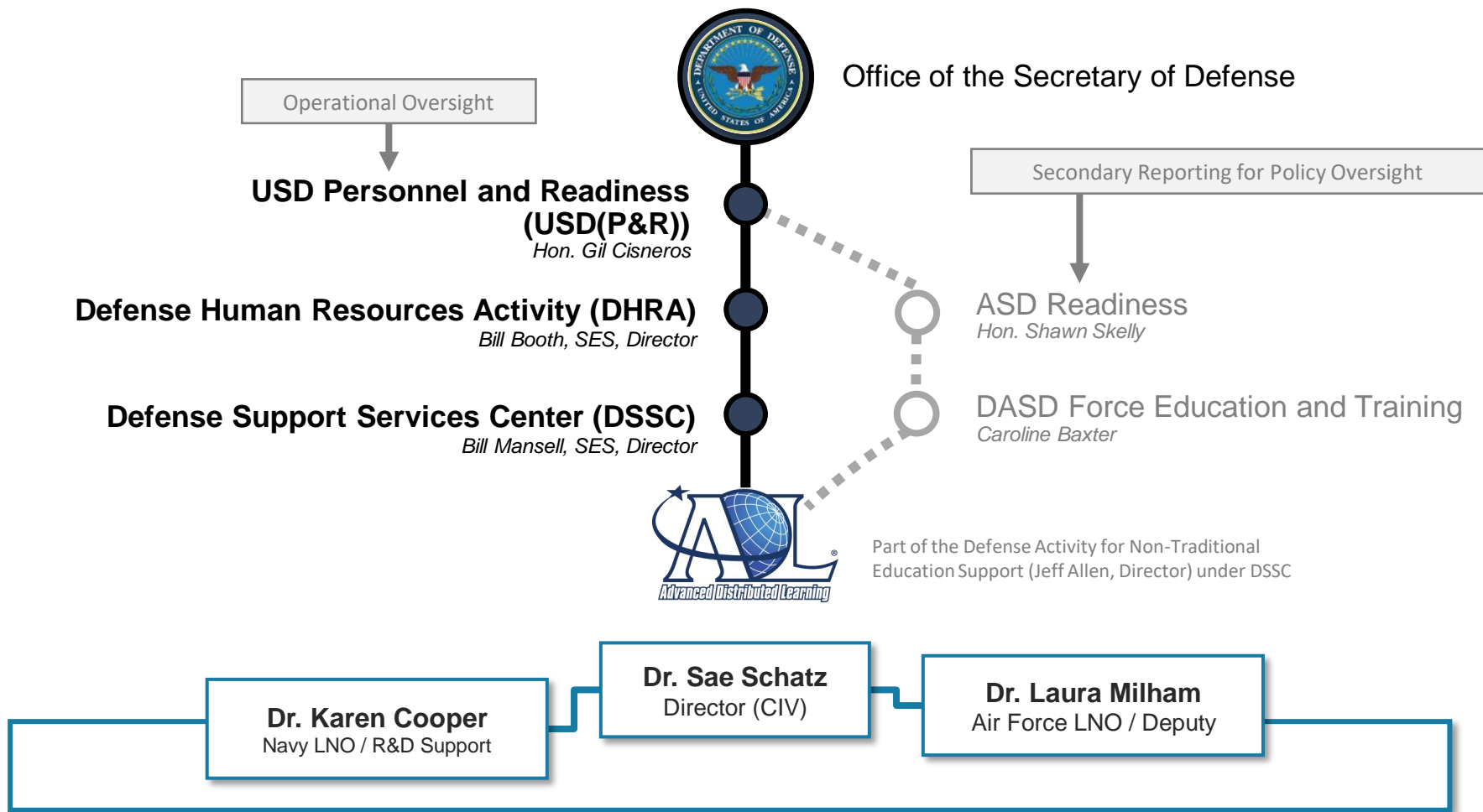
She earned a Master's degree in Communications, Culture and Technology from Georgetown University, a Master's degree in Public Relations from Boston University, and a Bachelor's degree in Television-Radio from Ithaca College.



Outreach Best Practices ADL Initiative

Andy Johnson and Anne Marie DiNardo (SETA Contractors)

How We Align





CHIEF INFORMATION OFFICER

DEPARTMENT OF DEFENSE

8000 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-6000

MEMORANDUM FOR: ACTING ASSISTANT SECRETARY OF DEFENSE FOR
READINESS
PERFORMING THE DUTIES OF DIRECTOR, COST
ASSESSMENT AND PROGRAM EVALUATION

SUBJECT: Designation of Advanced Distributed Learning as a Pathfinder for Enterprise Data
Services

The Advanced Distributed Learning (ADL) program is performing outstanding data engineering work and fielding key data services within the training and education functional community. The ADL enterprise architecture is highly aligned to the principles and goals of the DoD Data Strategy and consistent with our vision for a Defense-wide data ecosystem. While focused on training and education, the ADL program is modeling a number of best practices in their development of standards, business processes, and enterprise services.

As an active participant in the DoD Data Council, my team is collaborating with ADL to generalize their approaches for DoD-wide use. ADL's scalable and flexible pairing of systems and process is helping the Department establish requirements for future enterprise services. Additionally, ADL has created a mature, integrated development environment with less sensitive data and security restrictions. This development environment is already assisting other data innovators by offering a permissive space to mature their ideas and prototypes, evaluate new approaches, explore how federated components function together, and develop generalizable data services.

The ADL program is having an outsized impact, both in the digital learning domain as well as for the broader Department. In coordination with the Joint Staff and the Chief Data Officers of the Military Departments, I am pleased to designate ADL as a pathfinder for enterprise data services. Data and analytics leaders across the Department will continue to team with ADL, evaluate their progress, and leverage their lessons learned as we plan for the deployment of these technologies to support the full scope of DoD's missions and functions. Accordingly, I request your support in protecting the resources of this small but important initiative.

SPIRK.DAVID.L. Digitally signed by
JR.1051444562
JR.1051444562 Date: 2021.06.08 16:40:53 -0400

David Spirk
Chief Data Officer
Department of Defense

cc:
Director, Joint Staff J6
Director, Defense Human Resources Activity
Chief Data Officers of the Military Departments

The ADL enterprise architecture is highly aligned to the principles and goals of the DoD Data Strategy and consistent with our vision for a Defense-wide data ecosystem. While focused on training and education, the ADL program is modeling a number of best practices in their development of standards, business processes, and enterprise services.

ADL has created a mature, integrated development environment...

I am pleased to designate ADL as a pathfinder for enterprise data services.

Dave Spirk,
DoD Chief Data Officer
08 June 2021

About the ADL Initiative

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

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

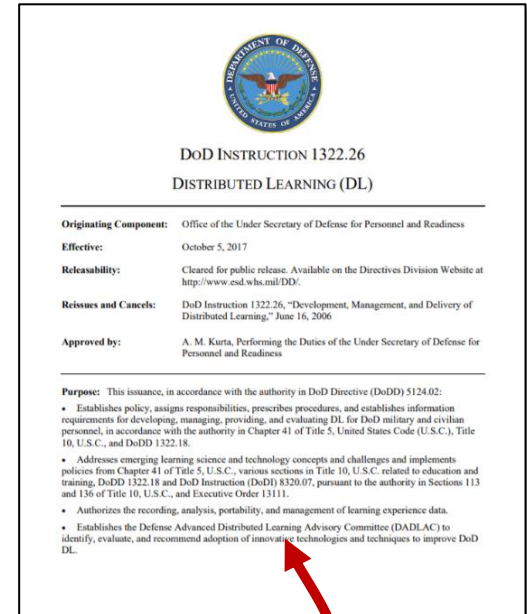
CHAIN OF COMMAND: Defense Human Resources Activity (DHRA)

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

LINES OF EFFORT:

1. **Modernization:** R&D for DL
2. **Documentation:** Policy, specs, and standards for DL
3. **Coordination:** Facilitate DoD, Coalition, S&T groups

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.”



Lines of Effort



R&D for Distributed
Learning Modernization



Distributed Learning Policy
and Technical Guidelines



Implementation Support
and Cross-Coordination

Our Research and Development Work

FUNDED RESEARCH PROJECTS: Total Learning Architecture, Enterprise Course Catalog, other modernization efforts

COMMITMENT TO OPEN SOURCE: All ADL Initiative efforts are open source and widely shared – use of GitHub, Creative Commons licenses

CHAMPION OF SPECS AND STANDARDS: Developed SCORM® (ISO) and xAPI (IEEE), collaborated with Standards Development Organizations on many others and to standardize SCORM/xAPI

OUR WORK INFLUENCES:

1. **Industry:** Products, Services, Contractors
2. **Academia:** Research and Adoption
3. **Government:** Whole of Government and International



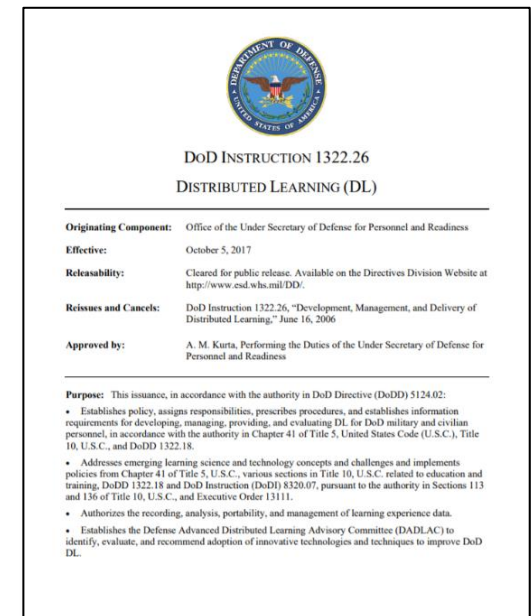
Policy Influence via Department of Defense Instruction

THE DODI: Provides specific guidance on acquisition and use of Distributed Learning

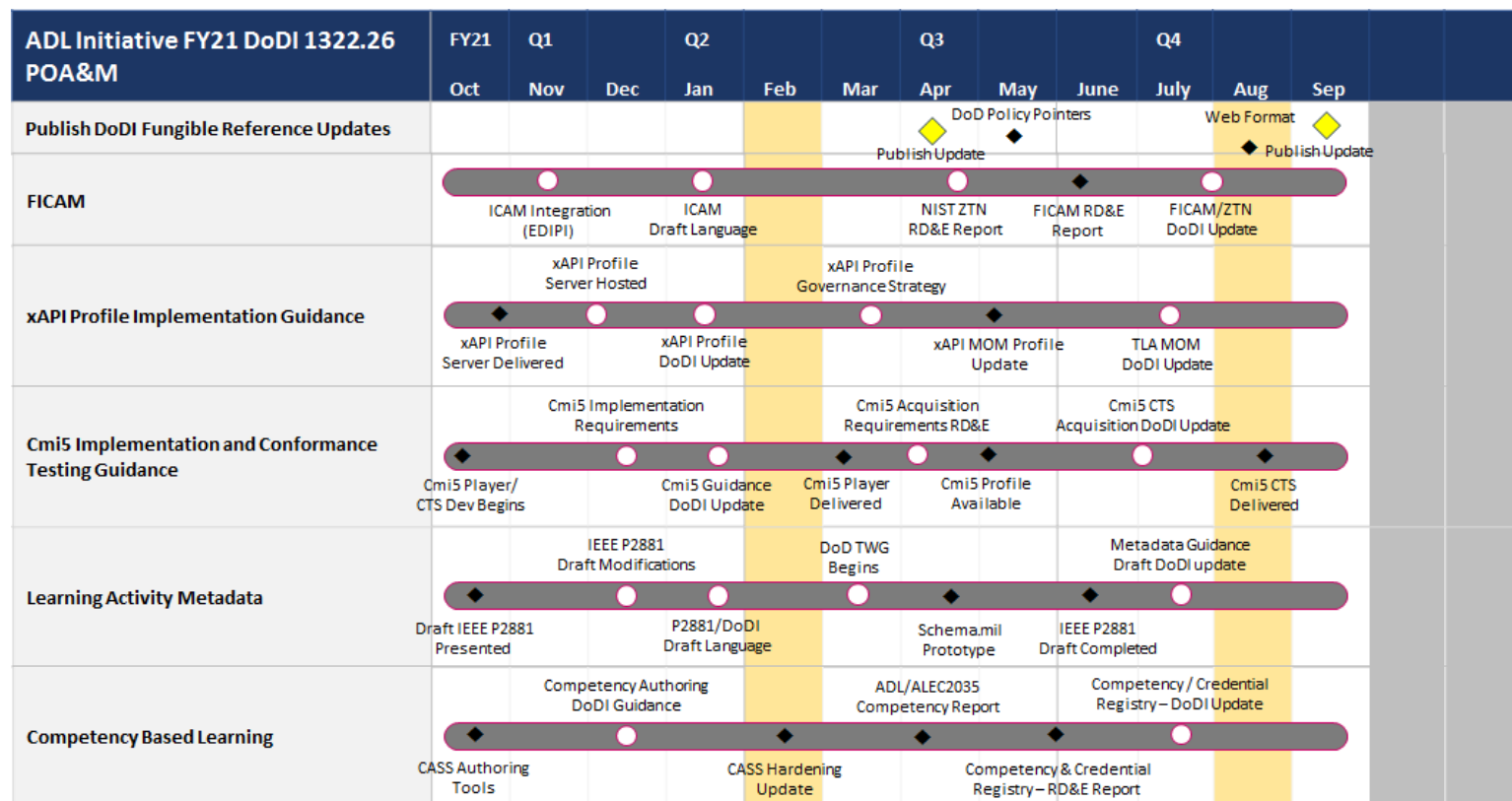
REFERENCE UPDATES: DoDI links out to a "living document" at <https://adlnet.gov/policy/fungible/>

GROWING OVER TIME: The original DoDI included only SCORM specifics, then added xAPI, and has added many more specs, standards, concepts, and requirements

UPDATES EXECUTED BY A WORKING GROUP: The DoDI is updated twice annually and is done by a process of collective requirements gathering, edits, feedback, and voting.



A Year in the Life of the DoDI (They Grow Up So Fast)



Lines of Effort

[Outreach] Overcome the research–practice gap by “diffusing innovation” through communication, customer service, and community leadership Supporting Tasks:

- Strategic Messaging: Create and execute strategic communications plan
- Facilitating Adoption: Facilitate early adoption of ADL innovations
- Building Community: Foster collaborative communities around ADL



**R&D for Distributed
Learning Modernization**



**Distributed Learning Policy
and Technical Guidelines**



**Implementation Support
and Cross-Coordination**



Outreach Organizational Structure



Outreach Use Cases

Defense ADL Advisory Committee

Building a network as a key component in achieving the vision

Key Tactics

- Annual Report
- Informative email updates
- Open forum exchanges
- Signature Events

Lessons Learned

- Choose tools that are needed
- Experiment with formats
- Be responsive, present, and persistent
- Prep speakers



Outreach Use Cases

R&D Project Portfolio

Telling a compelling story using an integrated messaging approach

Key Tactics

- Project Pages
- Articles
- Webinars
- Signature Event

Lessons Learned

- Keep information relevant
- Track opportunities
- Consistent messaging

Enterprise Learner Record Repository (ELRR)

Enables the sharing of local and global learner data across the DoD. This learner data will be obtained from authoritative sources for publishing, customizing, and harmonizing individual profiles, performance records, and training records. Once launched, personnel can access their training records throughout their learning journey at DoD and use this information to ensure they have the skills and credentials required for their career path.


Project Page: <https://dodnet.afmcc.mil/>

PROGRESS TO DATE

- Deployed the ELRR Prototype to the ADL TLA Sandbox environment for functional and operational testing aligned to Learning Center Manager, Training Manager, and System Operator user roles
- Developed a learner API Component for pushing and pulling data across the data fabric
- Developed an infrastructure as Code DevOps pipeline for fast deployment across various development and test environments

UP NEXT		
August 2021	September 2021	November 2021
Testing/Stakeholder Demo	Prototype Release Candidate (Sandbox)	IOC Development

Designated Stakeholder Representatives



Opportunities

- Join the [Standard Working Group](#)
- Support ELRR maturation and hardening
- Test in the sandbox

PERvasive Learning System (PERLS)

A mobile-based microlearning platform that uses short-term strategies specifically designed for skills-based learning anytime and anywhere, taking advantage of unplugged time during a learner's daily schedule to enhance and reinforce learning. The learner is empowered to select the learning content that they need, when and where they have time—leading to increased exposure (i.e., time on task) to learning content. This leads to improved training outcomes, greater personnel readiness, and improved training sustainment.

Project Page: <https://dodnet.afmcc.mil/>

PERLS DevNet Video: <https://youtu.be/7xwG-0j0>


PROGRESS TO DATE

- Development: PERLS v2.4 Deployed
- Verification, Validation & Evaluation: Content Conversion for Experimental Research Study
- Readiness: Accreditation and Transition Plans to Platform One

UP NEXT

September 2021	October 2021	September 2021
Development: Starting Development for PERLS version 2.7	VV&E: Experimental Research Study begins with Army	Transition: Onboarding to Platform One

Designated Stakeholder Representatives



Opportunities

- Mature PERLS features
- Expand PERLS user organizations
- Increase PERLS content repository

ADL in Exercises (MADLx)

Enhances joint and coalition training exercises by integrating distributed learning with computer-based and live training exercises. The benefits of this integration include improved training outcomes, increased learning efficiency through improved convenience of instructional materials, and expanded readiness reporting through advanced learning analytics and their visualizations. In addition to these technical outcomes, this effort seeks to strengthen partnership relationships by executing case studies in collaboration with coalition military organizations.

Project Page: <https://dodnet.afmcc.mil/>

MADLx Website: <https://dodnet.afmcc.mil/>

Webinar: <https://youtu.be/7xwG-0j0>

MADLx Article: <https://dodnet.afmcc.mil/>


PROGRESS TO DATE

- Completed seven downer field trials: US and multinational, CAX and LIVE, Technical and Operational
- Cooperation with J57 casualty project deliverables to Joint Staff and CDMC
- Best Practices included into NATO ADL Handbook

UP NEXT

October 2021	October 2021	April 2022
Bold Quest 21.2	Bold Quest 21.2	Viking

Designated Stakeholder Representatives



Opportunities

- Inquire about joint exercise participation
- Download MADLx reports from ADLnet.gov to access past exercise findings and recommendations
- Participate in case studies

Outreach Use Cases

iFEST

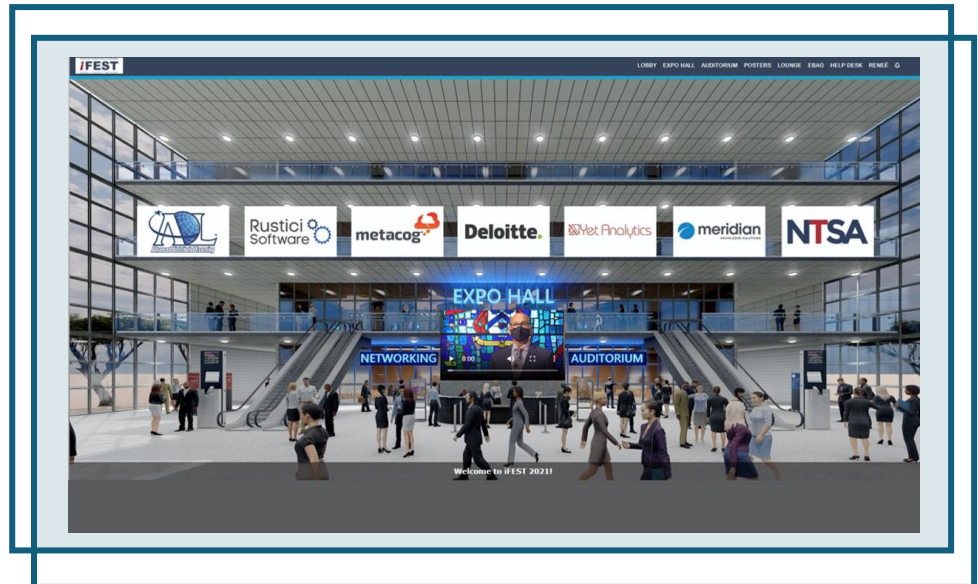
Leveraging events to achieve multiple communications objectives

Key Tactics

- Presentations
- Regular announcements
- Social media
- Exhibits
- Fun activities
- Posters

Lessons Learned

- Focus on the attendee experience
- Be flexible
- Plan ahead with effective tracking tools



Key Tips



Start with Your
Desired Outcomes



Know Your
Program



Know Your
Stakeholders



Comprehensive Plan
(A-Z, not A-R)



Determine Stakeholder
Value Proposition



One Message and
One Technique Does
Not Fit All

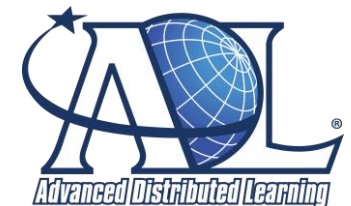
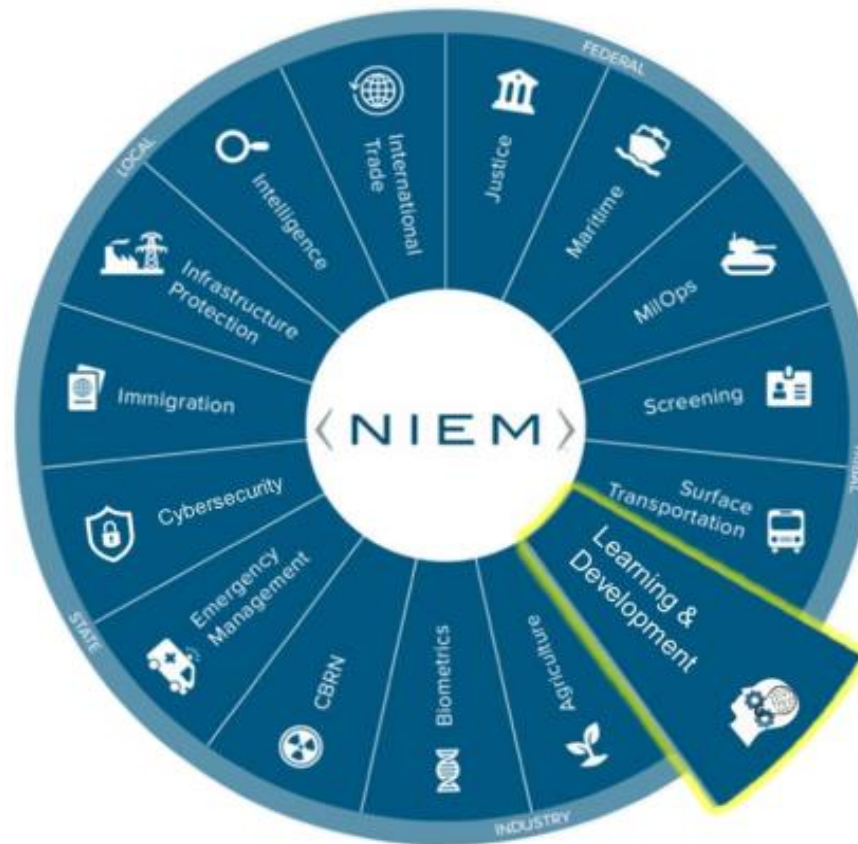


Be Consistent
and Responsive



Networks and
Networking is Critical

Enabling a NIEM Learning & Development Domain



Implementing Best Practices

- NIEM's rich data model is lacking in coverage of key learning standards
- ADL Initiative, as a policy steward and pathfinder, would like to bridge this gap
- ADL Initiative already spearheaded the creation of multiple standards (e.g., SCORM®, xAPI) and has a history of involvement with Standards Development Organizations (e.g., IEEE, IMS Global, ISO, PESC, HR Open)
- ADL Initiative chairs the Joint Enterprise Standards Committee (JESC) Applications Technical Working Group

Value Proposition

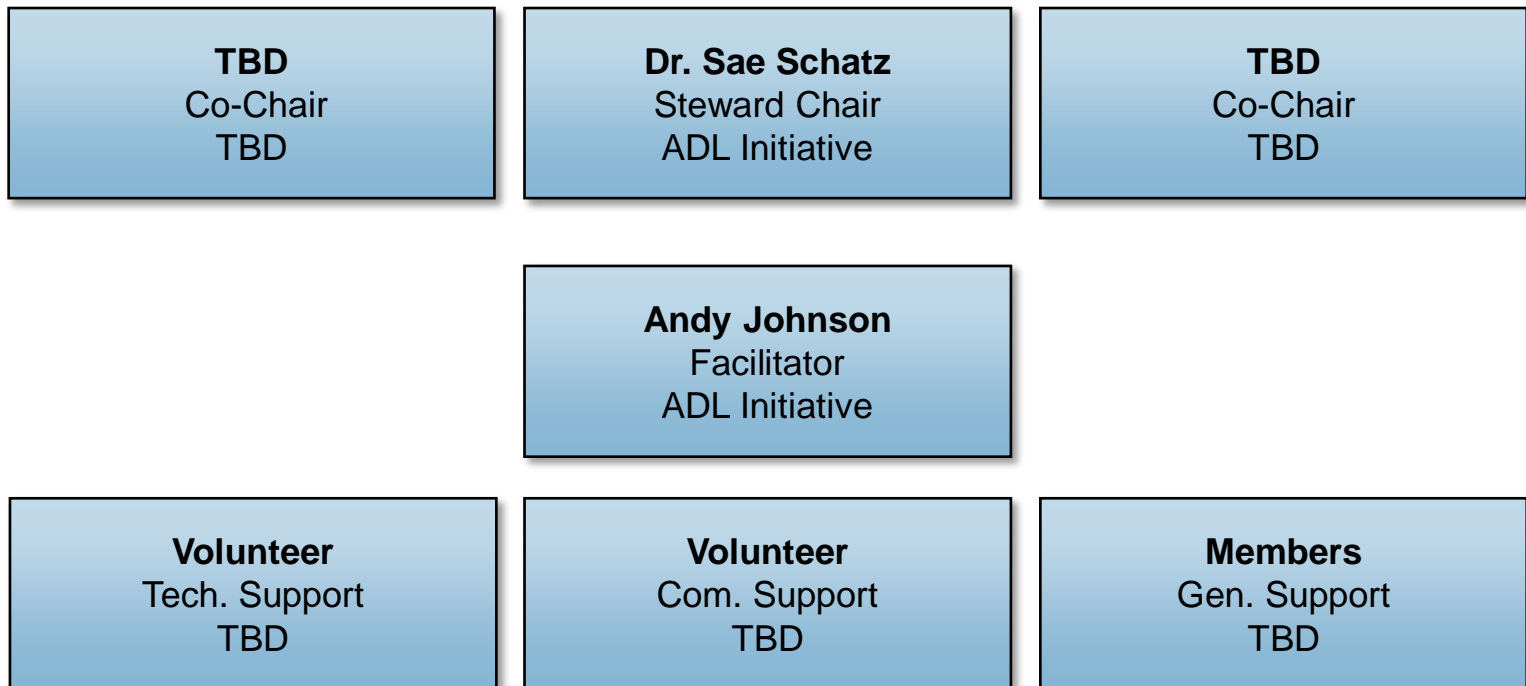
Learning and Development COI

- Best practice model to align existing learning and development data standards with DoD and external stakeholders
- Promotes community-based agreement on data element names and definitions
- Supports reuse of definitions within concrete, implementable data syntaxes
- Provides a framework for information exchange specifications with machine-testable conformance
- Improves interoperability – making data visible, accessible, and understandable enterprise-wide

NIEM Community

- Increases use of a common and standard data and information sharing model for learning and development
- Using NIEM increases interoperability within the DoD and other federal, state, local, and tribal entities
- Reduces development and maintenance costs for any entity seeking information sharing links
- Learning and Development Domain broadens accessibility of information to the NIEM community

Proposed Organization Chart Learning & Development Domain



Questions/Comments



Andy Johnson

Specifications and Standards
Manager

Andy.Johnson.ctr@ADLnet.gov

Anne Marie DiNardo

Outreach Integrator

DADLAC Community Manager

AnneMarie.DiNardo.ctr@ADLnet.gov

GROWTH & OUTREACH

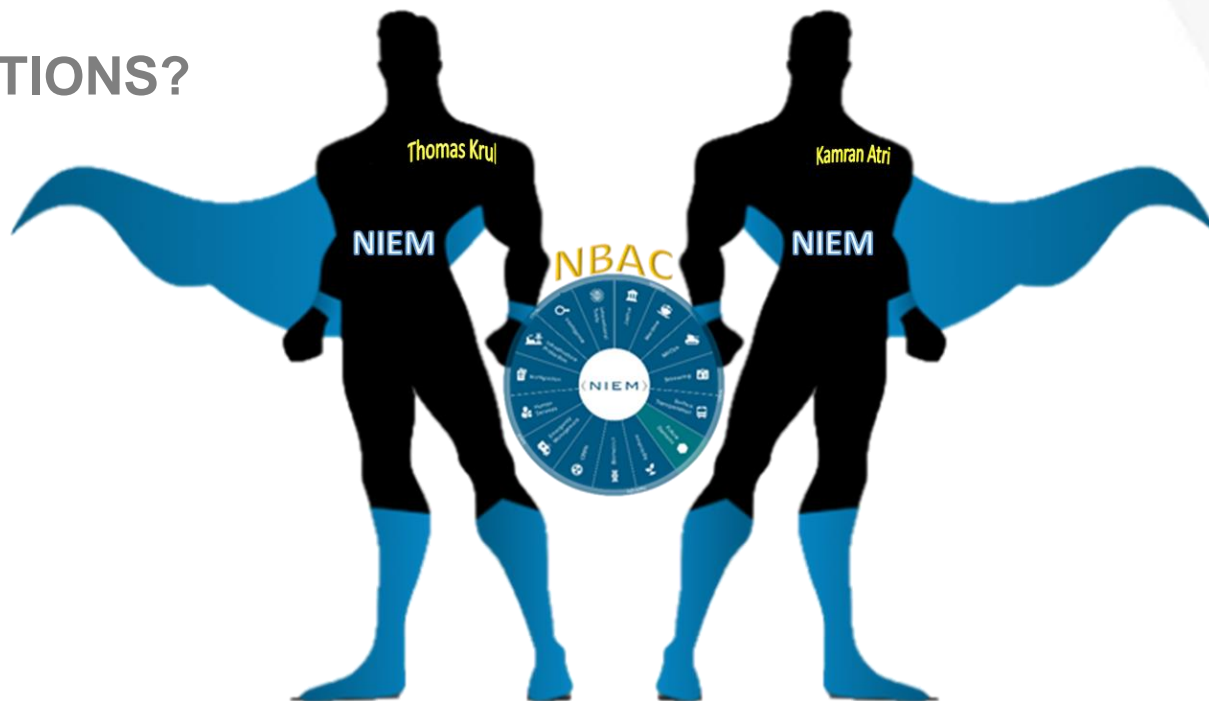
- *Your little bit helps (“like, click, and subscribe”)*
- *Your big bits help (“I have this idea...”)*
- *Stay tuned for the Stewardship Session for more*

Q&A

- **NIEM Plays a Key Role in:**
 - Designating an Organization as a “ **Data Driven Organization** ”.
 - Organizations that must Consume, Access, Manipulate, Manage, Analyze, Standardize, Share and Distribute all Available Data from Existing or New Potential Data Sources.
 - Data Architecture, Data Management and Data Engineering, the Key Components of any IT Modernization Life Cycle.

Enabling Connected ~~Future~~ Now

QUESTIONS?



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NEXT NIEM F2F SESSION – NIEM STEWARDSHIP

NBAC ANNUAL MEETING - DAY 2

NBAC Annual Meeting (Wednesday, 15 September 2021)

AM Session

Location: Virtual - MS TEAMS

Time (EDT)	Subject	Speaker (s)/ Facilitator(s)	Description
10 -10:05	Introduction/Agenda	NBAC Co-Chairs (Mr. Kamran Atri & Mr. Thomas Krul)	<ul style="list-style-type: none"> Welcome Agenda
10:05 - 10:40	Keynote Speaker	Ms. Stacy Wright (Cybercrime Support Network, VP of Cyber Resiliency Services)	<ul style="list-style-type: none"> What are the data sharing impacts as it relates to Cyber? Best Practices for implementing Cyber data Standards?
10:40 - 10:50	Session Introduction	Mr. Thomas Krul	<ul style="list-style-type: none"> NIEM Stewardship
10:50 - 11	Break		
11 - 11:50	Session III - NIEM Stewardship	Mr. Thomas Krul	<ul style="list-style-type: none"> Domain Stewardship "Best Practices" Domain Testimonial/s
11:50 - 12	QA/Wrap-up/Action items	NBAC Co-Chairs (Mr. Kamran Atri & Mr. Thomas Krul)	<ul style="list-style-type: none"> Closing