

IT Reform

Federal Network 2020 Conference

27 FEB 2020

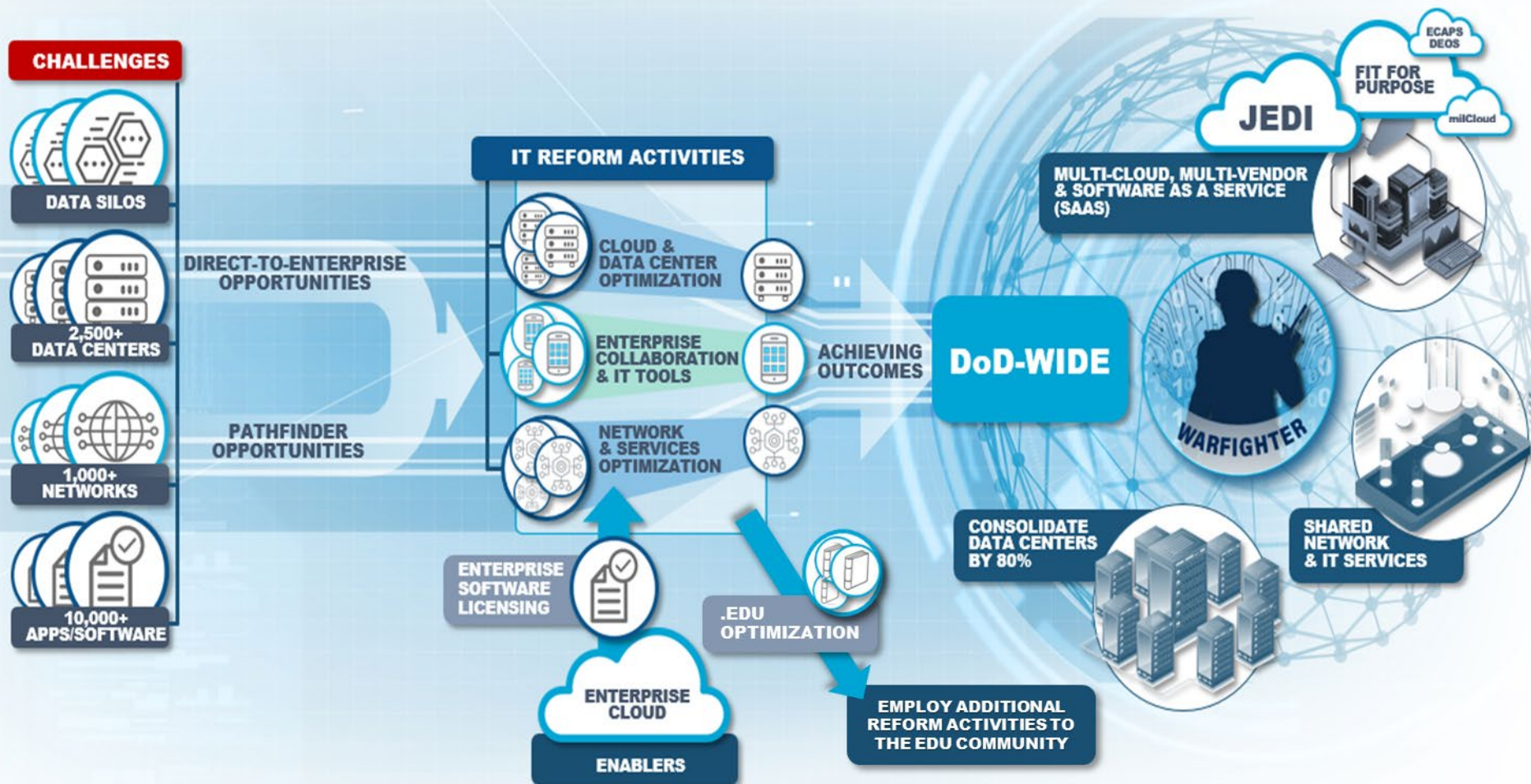


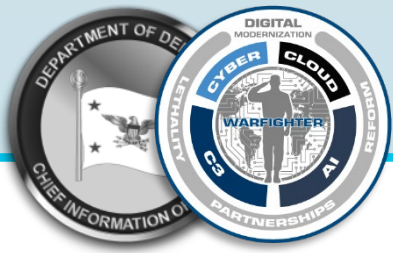
Ms. Danielle Metz
Principal Director
DCIO Information Enterprise





DoD IT Reform - Introduction





Why do IT Reform?



Separated Networks

The challenge with over 30 independently managed networks across the Department is that it leads to **contracts, operations, and workforce management inefficiencies**.



Service Desk Operations

Independently procured and managed service desks create significant **ineffectiveness with workforce staffing**, hindering our ability to leverage industry best practices – for the ultimate goal of reducing service desk call times.



Cyber Security

Failure to comply with cyber security requirements and inconsistent assessment results introduce significant risk exposing **vulnerabilities** to our adversaries.



End User Experience

Network outages, patch management issues, service desk call resolution, and slow provisioning of hardware/software assets hinders the workforce's ability to operate **in successful performance of their mission**.



Asset Management

Lack of end-to-end visibility of assets results in **duplicative IT asset purchases**.



HW/SW Purchases

Independent Agency procurements hinders our ability for **cost efficiency** and bulk buy purchases to create savings.



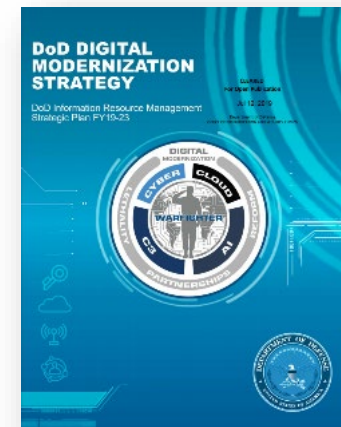
Enterprise Services

Defense Agencies are still operating using stand alone systems for email and voice capabilities. Use of customized solutions may offer niche services but **hinders our ability to leverage best practices** and achieve resource efficiencies.



DoD IT Reform - Background

- Per the National Defense Strategy and DoD Digital Modernization Strategy, reform is critical to adapting to the rapidly changing environment and to preserve resources for warfighting readiness.
- DoD recognizes that efficient and effective information technology (IT) is essential to achieving a modern and agile force, as the battlefield and world at large become increasingly digital.
- DoD IT Reform focuses on rapidly advancing the Department's realization of greater performance and affordability through focused governance and select IT Reform initiatives.
- FY20-25 DoD IT Reform initiatives reduce IT duplication through consolidated delivery of common IT functions via the latest technologies and commercial IT service providers:
 - a) Network and Services Optimization
 - b) Cloud and Data Center Optimization
 - c) Enterprise Collaboration and IT Tools
 - d) EDU Optimization





DoD IT Reform - Governance

DoD CIO codifies IT Reform through the IT Reform Strategy by outlying the governance and principles used to identify and execute IT Reforms.

IT Reform Strategy focuses on IT functions common across the enterprise to include:

- **Consolidate for Efficiencies** – minimize duplication of IT resources through the consolidation of common IT functions across DoD.
- **Modernize for Enhanced Capability** – obtain greater capability at better affordability through modernization of IT and associated mission processes.
- **Transform through Innovation** – drive adoption of proven emerging IT and approaches that transform the way DoD achieves missions.



DoD IT Reform - Initiatives

IT Reform Initiative	Objective
Network And Service Optimization	Consolidation of Defense Agencies' networks and service centers under a single network and single service provider to improve visibility of cyber security vulnerabilities, reduce operating expenses, and create a consistent user experience.
Cloud And Data Center Optimization	Migrate Defense Agencies' applications/systems to an optimized cloud and data center hosting environment to enable the closure of legacy data centers and facilitate the transition to a cloud-enabled future.
Enterprise Collaboration And IT Tools	Transition the Department's collaboration capabilities into a united commercial, cloud-enabled enterprise service to reduce costs, foster innovation, and improve the DoD cybersecurity posture.



Enabling Initiatives

EDU Optimization	Identify IT reform opportunities, timelines, and investment requirements for the educational community to achieve greater performance and affordability.
License Consolidation	Leverage consolidated DoD-wide purchasing capacity on designated agreements in alignment with IT Category Management objectives to deliver best value.

"Industry innovation and emerging technologies continue to disrupt current processes and alter old perceptions. IT reform encompasses not just those opportunities that can be implemented today, but those shaping opportunities readying the Department for tomorrow."

– Department of Defense Information Technology Reform Strategy



DoD IT Reform - Phased Approach

Pursuing immediate opportunities across the Defense Agencies and Field Activities

Phase I



DISA
Defense Information Systems Agency



DTIC
Defense Technical Information Center



DPAA
Defense POW/MIA Accounting Agency



DMEA
Defense Microelectronics Activity



DMA
Defense Media Activity



DCMA
Defense Contract Management Agency



DCAA
Defense Contract Audit Agency



DFAS
Defense Finance and Accounting Service



DHA
Defense Health Agency



DHRA/DMDC
Defense Human Resources Agency



DLA
Defense Logistics Agency



DARPA
Defense Advanced Projects Agency



DTRA
Defense Threat Reduction Agency



MDA
Missile Defense Agency

**Executing
FY20
through
FY26**

Phase II



DLSA
Defense Legal Services Agency



DSCA
Defense Security Cooperation Agency



DTSA
Defense Technology Security Agency



JCS
Joint Chiefs of Staff



OSD
Office of Secretary of Defense



PFPA
Personnel Force Protection Agency



WHS
Washington Headquarters Service

**Projected
FY24
through
FY26**

Phase III



DoDEA
Department of Defense Education Activity



NDU
National Defense University



USU
Uniformed Services University of the Health Sciences



DAU
Defense Acquisition Agency



- Service Academies
- War Colleges
- Higher Education
- Professional Training
- Other educational activities

Planning

Phase IV and Beyond

Future IT Reform opportunities as they are identified and validated



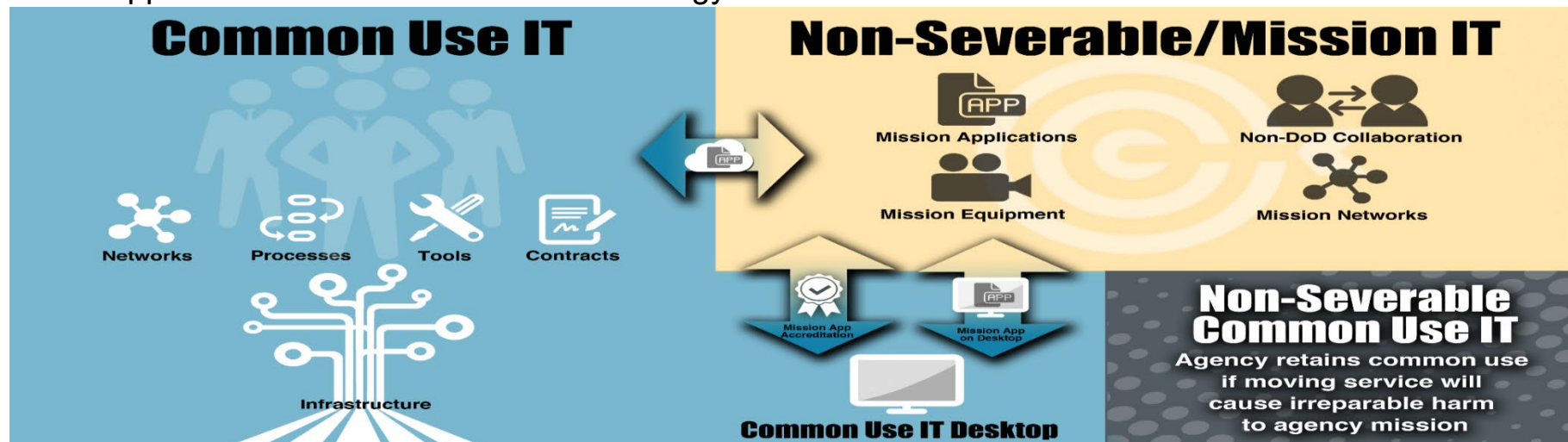
Network & Service Optimization

Overview: Converge DoD networks, Service Desks and Network/Service Operation Centers into a consolidated, secure, and effective environment capable of addressing current and future mission objectives.

Scope: Focus on Phase I Defense Agencies to consolidate 26 networks under a single service provider to improve visibility of cyber security vulnerabilities, reduce operating expenses, and create a consistent user experience as well as consolidating 13 Phase I service desks into one Global Service Center (GSC) contract.

Milestones Achieved:

- Issued 4ENO Execution Guidance Memo.
- Awarded GSC contract. Initiated first Defense Agency migration to the single service provider.
- Approved FY21-FY25 investment strategy



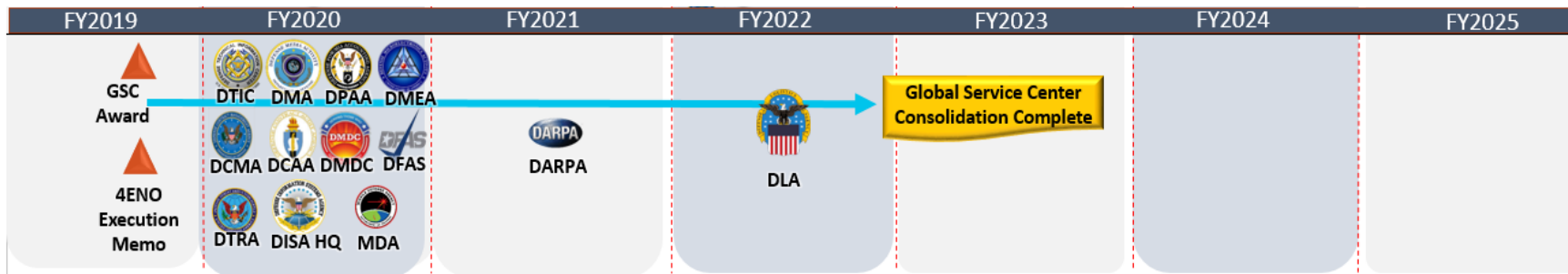


Network & Service Optimization Execution Plan

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Fourth Estate Service Optimization:

Initiate transition of 11 Defense Agencies' service desks to the Global Service Center in FY20



2020 – Complete transition of 1 Defense Agencies' service desk to the Global Service Center

Fourth Estate Network Optimization:

Initiate transition of three Defense Agencies' network migrations to a single service provider in FY20



2020 – Complete transition of 1 Defense Agencies' network migration to new single service provider

*Estimated Start Dates Provided

UNCLASSIFIED



Cloud & Data Center Optimization

Overview: Transitions the DoD to a cloud-enabled future, while leveraging commercial best practices, standardizing IT commodity applications, and using commercial industry capabilities to deliver modernized services and warfighting capabilities.

Objectives:

- Accelerate data center optimization progress among the Defense Agencies.
- Improve service delivery by driving applications and systems to the cloud.
- Increase data center savings over those previously booked from Military Services and DISA.

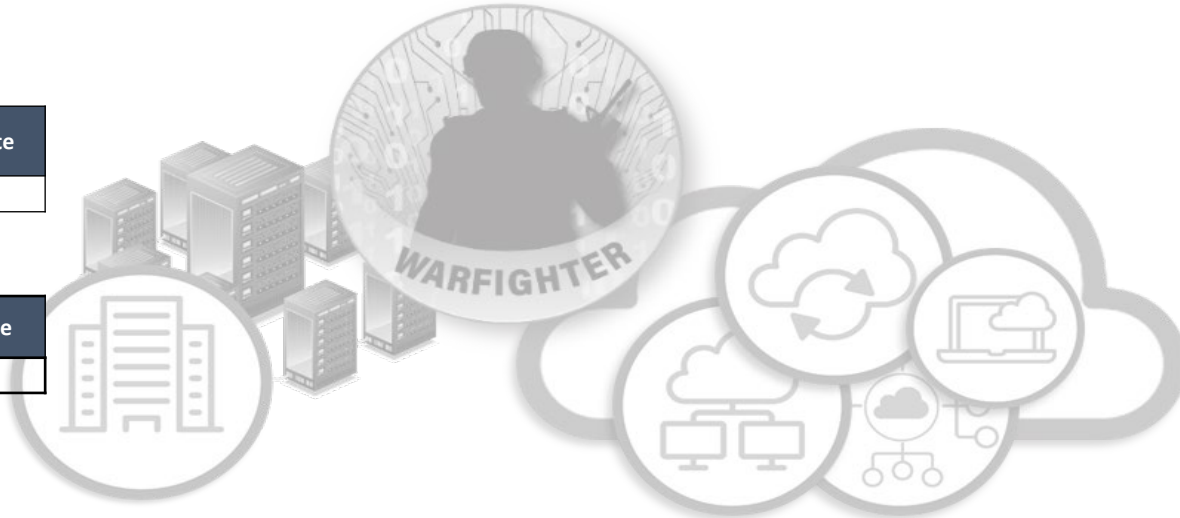
Scope: Migrate 14 Phase I Defense Agencies' applications/systems to more optimal hosting environments to enable the closure of legacy data centers and facilitate the transition to a cloud-enabled future.

Completed System Migrations

	Total Migrations	Completed Migrations	% Complete
Total	915	458	50%

Completed Data Center Closures

	# of DCs Targeted for Closure	# of Data Centers Closed	% Complete
Total	70	23	33%





Cloud & Data Center Optimization Execution Plan

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Path Forward

- DoD CIO and DoD CMO monitoring Defense Agencies' system migrations and Data Center closures.
- DoD CIO and DoD CMO working to support Defense Agencies.
 - Approving migration plan updates (e.g., cloud provider changes).
 - Driving cloud enablement (i.e., cloud support services).
- Defense Agencies are tracking system migration investments to quantify net savings.
- Successes and lessons learned to be applied more broadly across the Department.

Org	Complete	Past Due Migrations	Q2FY20	Q3FY20	Q4FY20	Q1FY21	Q2FY21	Q3FY21	Q4FY21	To Be Scheduled							
DARPA	25	0	10	0	0	1	0	0	0								
DCAA	0	24	0	0	0	10	0	0	2	0							
DCMA	2	0	16	7	1	0	0	0	0	0							
DFAS	7	9	0	0	0	13	25	7	9	0							
DHA	1	33	14	4	1	1	4	1	0	11							
DISA	1	31	1	8	1	0	0	0	0	2							
DLA	6	302	0	31	4	2	13	0	2	0							
DMA	0	9	1	0	0	1	0	0	2								
DMDC/DHRA	0	0	0	0	1	0	0	0	0	133							
DMEA	0	0	0	0	0	22	0	0	0	1							
DPAA	3	0	1	3	0	0	0	0	4								
DTIC	56	0	39	0	13	30	0	0	0	1							
DTRA	3	2	1	0	1	1	5	3	0	1							
MDA	0	0	1	0	0	0	3	0	0								
Total	23	458	33	1	83	7	46	9	17	2	98	32	7	13	7	15	133

Key

of data center closures

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Enterprise Collaboration & IT Tools

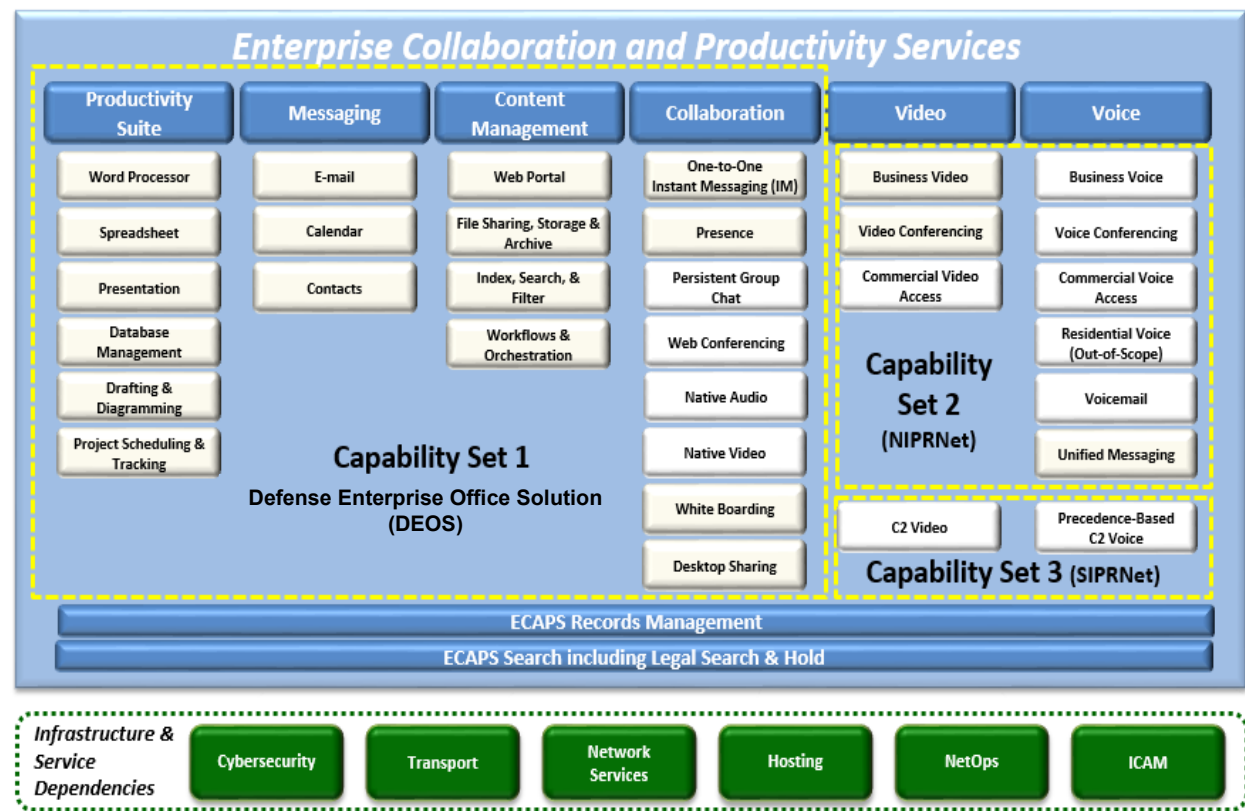
Transitioning the department's collaboration capabilities into a united commercial, cloud-enabled enterprise service to reduce costs, foster innovation, and improve the DoD cybersecurity posture.

Phased Approach:

- 1) Design and Integration
- 2) CONUS NIPR Migration
- 3) D-DIL (Tactical) Pilot
- 4) OCONUS Migration
- 5) SIPR Migration

Milestones Achieved:

- Execution of an efficient solution for office applications pending
- USMC Pilot

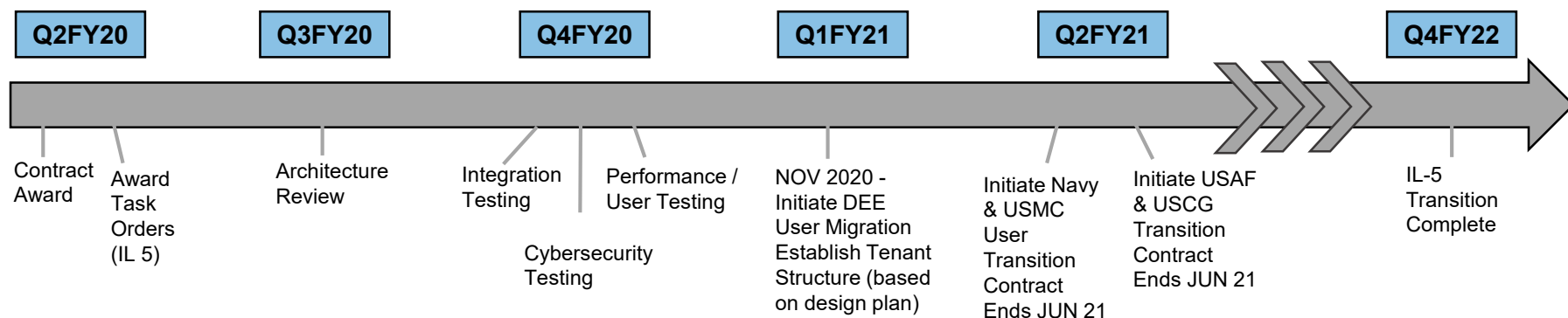




Enterprise Collaboration & IT Tools Execution Plan

November 2017 Department of Defense Enterprise Collaboration and Productivity Services Strategy”, Version 1.0, Office of the DoD Chief Information Officer

June 2019 DoD Digital Modernization Strategy, DoD Information Resource Management Strategic Plan FY19-23



Challenges:

- Working to include D-DIL efforts into early design phase
- Working plan and technical challenges to off ramp current “integrators” work into DEOS (single integrator environment)
- Working to shape “Risk Based” Continuous Operational & Cybersecurity Assessment Strategy



EDU Optimization

DoD IT Reform Phase III – DoD Educational Community

- Optimize the DoD Educational (EDU) community IT environment
- Established Defense Academic IT Consortium (DAITC) to ensure EDU equities are properly addressed
 - Stakeholder meetings
 - Working groups
- Obtain shared or standardized IT service solutions to achieve greater performance and affordability
- Reduce costs and increase value through academic licensing models
- Establish a cybersecurity framework for the EDU community
- DoD and Federal Agency partnership with EDU industry organizations such as EDUCAUSE, Internet2, and academic accrediting bodies

Phase
III

DoDEA
Department of
Defense
Education
Activity

NDU
National
Defense
University

USU
Uniformed
Services University
of the Health
Sciences

DAU
Defense
Acquisition
Agency



- Service Academies
- War Colleges
- Higher Education
- Professional Training
- Other educational activities



DoD Education Community

- The scope of the DoD Education Community spans 32 institutions ranging from kindergarten to postgraduate education.
- The variation between these DoD Educational IT environments provides opportunities to optimize the educational mission, IT assets, and business processes.

K-12



Certification



Undergraduate



Graduate





Enterprise Licensing

Core Enterprise Technology Agreement (CETA)

Overview: Provide common license terms & conditions schema for cloud portability, license transferability, enterprise pricing, and ordering efficiencies for the DoD.

CETA Definition: Mandatory use of DoD ESI based enterprise purchasing agreements for COTS products and capabilities that are centrally established or designated by the DoD CETA Executive Agent utilizing decentralized component level funding and ordering.

Objective: Identify IT reform opportunities, timelines, and investment requirements for the DoD community to achieve greater performance and affordability.

Accomplishments:

- Designated the Secretary of the Navy as DoD Executive Agent for commercial software CETAs.
- Implemented PMW-290 Project Office within Navy PEO-EIS to consolidate enterprise software licensing efforts, including DON assigned DoD ESI and CETA efforts.
 - Established first CETA in FY20.
 - Additional agreements targeted for FY20 – FY22.



Enterprise Licensing Industry Partnerships

Enterprise Licensing Benefits

DoD	Industry
<ul style="list-style-type: none"> • One voice to suppliers • License transferability • Common, favorable terms and conditions • Simplified ordering • Reduce duplicative ordering actions • Volume discounts • Centralized software acquisition • Engage DoD senior leadership • Engage supplier senior leadership 	<ul style="list-style-type: none"> • Requirements visibility & stability • Reduce variability in contract & license terms • Reduce duplicative ordering & contracting actions • Single focal point for customer management • Streamline sales and ordering processes • Engage customer senior leadership

How can industry support DoD IT reform with software licensing?

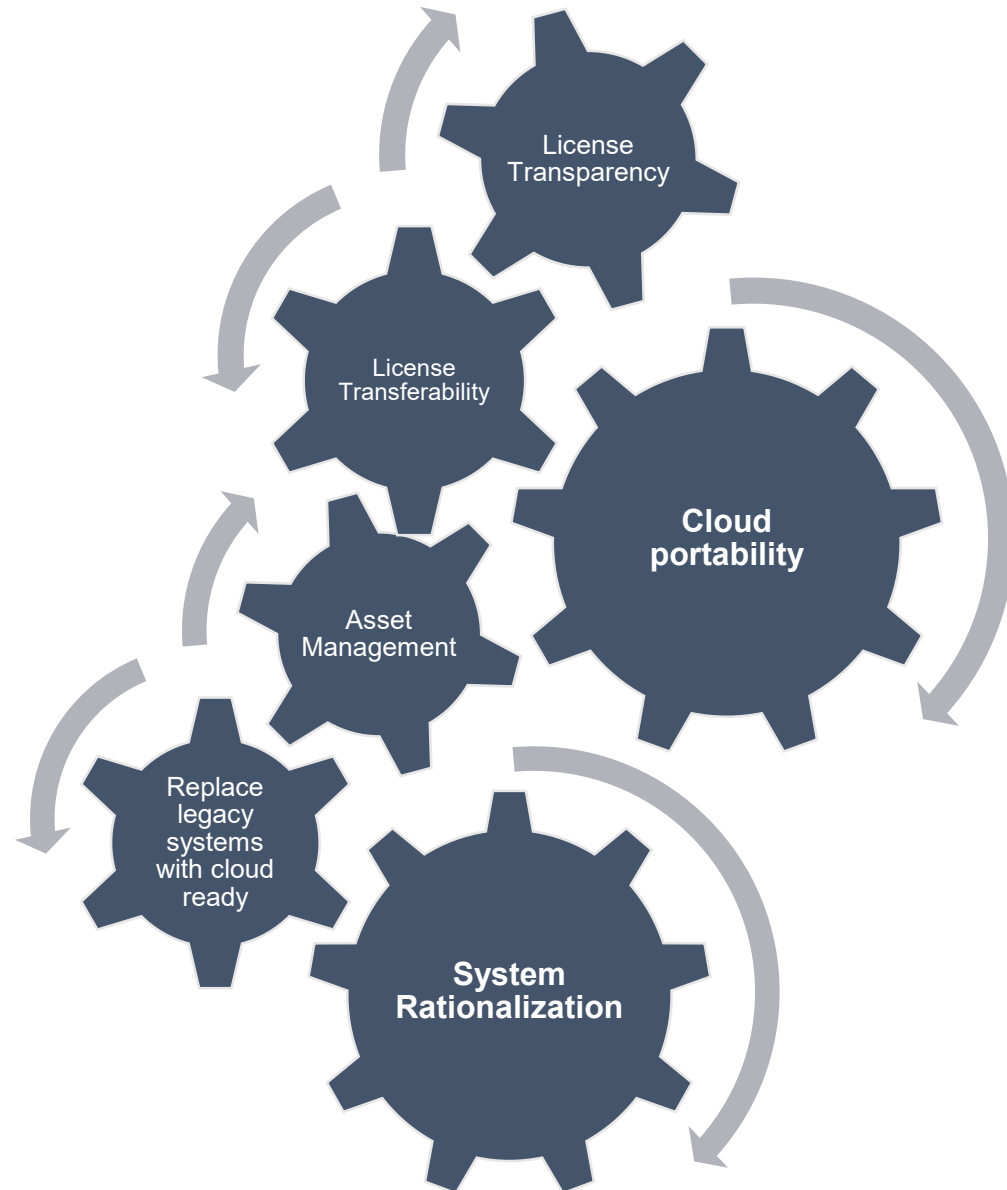
- 1) *Provide for cloud portability in software licenses to seamlessly move between on-premises data centers and commercial hosting environments.*
- 2) *Provide license terms that support transferability between DoD organizations with minimal burden to enable organizational restructuring and transfers.*
- 3) *Provide clear roadmaps and affordable migration paths from traditional perpetual licenses to term and subscription licenses, with transparency into longer-term price strategies.*
- 4) *Provide effective asset management solutions for use in a highly virtualized environment to enable consistent inventory accounting for dynamic virtualized workloads.*
- 5) *Treat DoD as a true enterprise – provide uniform pricing that is consistent with the scale of the entire DoD, and not just individual organizations and programs.*



IT Reform is **CONSTANT**

“Industry innovation and emerging technologies continue to disrupt current processes and alter old perceptions. IT reform encompasses not just those opportunities that can be implemented today, but those shaping opportunities readying the Department for tomorrow.”

— Department of Defense
Information Technology Reform Strategy,
February 2020



Questions

