






DOD IT MODERNIZATION







BENEFITS OF SUCCESSFUL IT MODERNIZATION

- ✔ Increase Mission Effectiveness
- ✔ Strengthen Cyber Security
- ✔ Improve Outcomes of IT Acquisition
- ✔ Faster Capability Deliveries
- ✔ Improve Interoperability
- ✔ Save Billions Through Cost Efficiencies


➔ CONSOLIDATE INFRASTRUCTURE

<p>1. Consolidate Enterprise Networks</p>  <ul style="list-style-type: none"> Consolidate data centers and network operations Optimize to a joint enterprise architecture with secure access 	<p>2. Deliver DoD Enterprise Cloud</p>  <ul style="list-style-type: none"> Develop and execute a strategy and standards for a secure DoD cloud environment. Leverage commercial clouds that meet cyber security requirements 	<p>3. Standardize IT Platforms</p>  <ul style="list-style-type: none"> Minimize program-unique platforms Drive DoD use of standard platforms Design platforms that ensure a secure cyber environment
--	--	---

➔ STREAMLINE PROCESSES

<p>4. Enable Agile IT</p>  <ul style="list-style-type: none"> Lead the development of an Agile IT development methodology Provide Guidance to DoD On Agile IT Best Practices 	<p>5. Strengthen IT Governance</p>  <ul style="list-style-type: none"> Restructure IT governance boards for enterprise view Improve DoD IT decisions, strategies, investments Streamline compliance processes 	<p>6. Leverage Strategic Sourcing for IT Commodities</p>  <ul style="list-style-type: none"> Implement an enterprise approach for the procurement of common IT H/W & S/W Establish a DoD Commodity Council
<p>7. Strengthen Cybersecurity</p>  <ul style="list-style-type: none"> Develop enterprise cyber situational awareness including authentication Leverage automated tools and continual assessments Streamline certification and reinforce reciprocity 	<p>8. Strengthen IT Investments</p>  <ul style="list-style-type: none"> Obtain transparency of IT investments Align IT Investments to DoD strategies Review performance of major investments 	<p>9. Improve Enterprise Architecture Effectiveness</p>  <ul style="list-style-type: none"> Transition document based process to decision support model Develop EA Implementation Plan and Instruction

➔ STRENGTHEN WORKFORCE

	<p>10. Modernize IT Guidance and Training</p> <ul style="list-style-type: none"> Provide guidance to DoD on adoption of Agile IT best practices Leverage ongoing workforce initiatives Develop a robust IT acquisition community
---	--

ENABLING AGILE, SECURE, EFFICIENT, AND EFFECTIVE DOD IT

For more information go to dodcio.defense.gov/ITModernization (*website not yet active)



DOD IT MODERNIZATION

Summary Talking Points

CONSOLIDATE INFRASTRUCTURE

1. Consolidate Enterprise Networks

- **Consolidate data centers and network operations**
 - Develop and implement enterprise-level guidance and policies for IT optimization and consolidation
 - Achieve further consolidation by integrating and capitalizing on test and integration centers
- **Optimize to a joint enterprise architecture with secure access**
 - Use centrally managed architectures that use standardized joint processes
 - Define a common security architecture for CORE and DoD network infrastructures

2. Deliver DoD Enterprise Cloud

- **Develop and execute a strategy and standards for a secure DoD cloud environment.**
 - Publish the DoD Cloud Computing Strategy
 - Transition to cloud will drive adoption of a cyber-secure, dependable enterprise cloud computing environment for DoD
 - Lead the development of the Department's mobile technology strategy
- **Leverage commercial clouds that meet cyber security requirements**
 - Use FedRAMP to assist in developing trusted relationships with cloud providers.

3. Standardize IT Platforms

- **Minimize program-unique platforms**
 - Quickly establish a set of initial standard platforms that will be modified and reduced in number over time
- **Drive DoD use of standard platforms**
 - Standup a working group to provide governance to the identification and evolution of the standard platforms
- **Design platforms that ensure a secure cyber environment**
 - Develop strategy to identify existing platforms and a modernization plan that supports a cyber-secure environment

STREAMLINE PROCESSES

4. Enable Agile IT

- **Lead the development of an Agile IT development methodology**
 - Develop based on the successes of Agile, Lean, and other IT management best practices
- **Provide Guidance to DoD On Agile IT Best Practices**
 - Publish the DoD Agile IT Handbook in cooperation with OSD/AT&L and DCMO
 - Structure IT programs via smaller, frequent deliveries
 - Active user involvement and responsive to changes

5. Strengthen IT Governance

- **Restructure IT governance boards for enterprise view**
 - Conduct analysis on CIO interaction with major DoD processes, current governance boards, and management tools
- **Improve DoD IT decisions, strategies, investments**
 - Coordinate and implement new governance processes and any new governance forums
- **Streamline compliance processes**
 - Eliminate the need a separate CCA compliance process; compliance is met by CIO participation in milestone reviews

6. Leverage Strategic Sourcing for IT Commodities

- **Implement an enterprise approach for the procurement of common IT H/W & S/W**
 - Develop a standard strategic sourcing process template for DoD
 - Review and analyze current IT hardware spending and identify a standard set of hardware for DoD-wide procurement
 - Save a min of 15% at purchase and another 15% over the next two years after purchase
- **Establish a DoD Commodity Council**
 - Co-chaired by AT&L/DPAP and DoD CIO

7. Strengthen Cybersecurity

- **Develop enterprise cyber situational awareness including authentication**
 - Establish a consistent enterprise cybersecurity architecture that is integrated into all aspects of DoD IT Enterprise Architecture
- **Leverage automated tools and continual assessments**
 - Publish new guidelines for risk management and continuous monitoring
- **Streamline certification and reinforce reciprocity**
 - Establish and track metrics for reciprocity

8. Strengthen IT Investments

- **Obtain transparency of IT investments**
 - Develop an IT Investment Management program that will focus on examining the full DoD IT investment portfolio
- **Align IT Investments to DoD strategies**
 - Review major IT investments for system performance, funding execution, and enterprise alignment annually
- **Review performance of major investments**
 - Establish a process to identify, assess, and account IT investments that are not currently reported in DoD IT budget

9. Improve Effectiveness of Enterprise Architecture

- **Transition document based process to decision support model**
 - Promulgate a DoD instruction that describes how the enterprise architecture will be used to realize outcomes and support DoD processes
- **Develop EA Implementation Plan and Instruction**
 - Describes the vision, outcomes, strategy, governance, processes, and products for the DoD CIO enterprise architecture efforts

STRENGTHEN WORKFORCE

10. Modernize IT Guidance and Training

- **Provide guidance to DoD on adoption of Agile IT best practices**
 - Incorporate Agile IT in competency model reviews
 - Include Agile IT into DAU and continuing education curriculum
- **Leverage ongoing workforce initiatives**
 - Align IT Modernization with IT Acquisition Workforce Strategic Plan
- **Develop a robust IT acquisition community**
 - Recognize personnel effectively implementing Agile IT practices