






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

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

### ➔ STRENGTHEN WORKFORCE

	<p><b>10. Modernize IT Guidance and Training</b></p> <ul style="list-style-type: none"> <li>• Provide guidance to DoD on adoption of Agile IT best practices</li> <li>• Leverage ongoing workforce initiatives</li> <li>• Develop a robust IT acquisition community</li> </ul>
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**ENABLING AGILE, SECURE, EFFICIENT, AND EFFECTIVE DOD IT**

For more information go to [dodcio.defense.gov/ITModernization](http://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