DoD CIO’s 10-Point Plan for IT Modernization

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Executive Summary
Proactive Partnerships for IT Modernization

• **IT Modernization Strategy**
  – Consolidate Infrastructure
  – Streamline Processes
  – Strengthen Workforce

• **Requires Partnerships Across DoD to achieve**
  – Improved mission effectiveness and user satisfaction
  – Reduced costs
  – Improved cyber security and interoperability
  – Agile, faster, and responsive delivery of IT capabilities

Enabling Agile, Secure, Efficient, and Effective DoD IT
Information Technology is Central to DoD Missions
Current DoD IT Environment

- Hundreds of sub-optimal data centers and networks incur unnecessary costs
- Limited interoperability reduces information sharing and mission collaboration
- Increasing demand for new technology on rapidly evolving devices

IT Programs average 81 Months* – cannot rapidly and efficiently field new technology to meet warfighter needs

Cyber security vulnerabilities threaten to exploit classified information and endanger our national security

Current IT delivery process hinders our ability to take advantage of new commercial technology

* Source: Defense Science Board
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1. Consolidate Enterprise Networks

Consolidate Data Centers

Consolidate Network Operations Centers

Optimize to a Joint Enterprise Architecture with Secure Access

Consolidate Data Centers

Consolidate Network Operations Centers

Optimize to a Joint Enterprise Architecture with Secure Access

<100

770

65

25
2. Deliver DoD Enterprise Cloud

Develop and execute a strategy and standards for a cyber-secure DoD cloud environment

Leverage commercial clouds that meet cyber security requirements
3. Standardize IT Platforms

Minimize program-unique platforms

Design platforms that support a cyber-secure environment

Drive DoD use of standard platforms
4. Enable Agile IT

**Deliver usable capabilities**
to users every 6-12 months

**Active user involvement**
to prioritize requirements and provide responsive feedback during development

A different approach to project management - Small, dynamic, and empowered teams

Roadmaps and architectures align agile increments into larger capabilities

**Streamlined contracting processes** leveraging existing contract vehicles for rapid Task/Delivery Order execution

Small scoped releases responsive to changes in ops, tech, budget...

Leveraging common infrastructure platforms, standards, and interfaces

Integrated test and evaluation, certifications during development leveraging common test infrastructure, automated tools
5. Strengthen IT Governance

Restructure IT governance boards for Enterprise view
Streamline compliance processes

IT Governance

Enable Agile, Networked Force
Strategic Planning

Prioritize IT Capabilities
Requirements

Prioritize IT Investments
Budget

Prioritize IT Technologies
Acquisition
6. Leverage Strategic Sourcing for IT Commodities

Enterprise approach for procuring common IT hardware and software

Establish a DoD Commodity Council
7. Strengthen Cybersecurity

- Develop enterprise cyber situational awareness, including authentication
- Leverage automated tools and continual assessments
- Streamline certification and reinforce reciprocity
8. Strengthen IT Investments

Obtain transparency of IT investments

Align IT Investments to DoD strategies

Review performance of major investments
9. Improve Enterprise Architecture Effectiveness

- Transition from compliance-based process to supporting IT investment decisions
- Develop EA Implementation Plan and Instruction
10. Modernize IT Guidance and Training

- Modernize IT Acquisition Education and Training
- Develop Career Roadmaps For IT Acquisition Personnel
- Guide Adoption of Agile IT Practices
- Implement DoD IT Acquisition Workforce Strategic Plan
- Create robust IT Acquisition Communities
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
Alignment with Other Initiatives

**Internal Initiatives**

- IT Enterprise Strategy Roadmap
- DoD Information Enterprise Strategic Plan
- DoD CIO Campaign Plan
- Enterprise Architecture
- DoD CIO Strategic Workforce Plan

**IT Modernization**

**Platform: IT Consolidation**
1. Consolidate enterprise networks
2. Deliver DoD Enterprise Cloud
3. Standardize IT platforms

**Processes: Streamline Delivery of IT Capabilities**
4. Enable Agile IT
5. Strengthen IT governance
6. Strategic sourcing for IT commod.
7. Strengthen Cyber Security
8. Streamline Compliance Processes
9. Improve Enterprise Architecture

**Workforce: Strengthen IT Community**
10. Modernize IT guidance, training

**External Initiatives**

- AT&L Better Buying Power
- Section 804 IT Acquisition Reform
- Section 933 Cyber Acquisition Reform
- Federal CIO 25-Point Plan
“The United States is going to maintain our military superiority with armed forces that are agile, flexible and ready for the full range of contingencies and threats.”

- President Obama

“The US joint force will be smaller and leaner. But its great strength will be that it will be more agile, more flexible, ready to deploy quickly, innovative, and technologically advanced. That is the force for the future.”

- Secretary Panetta