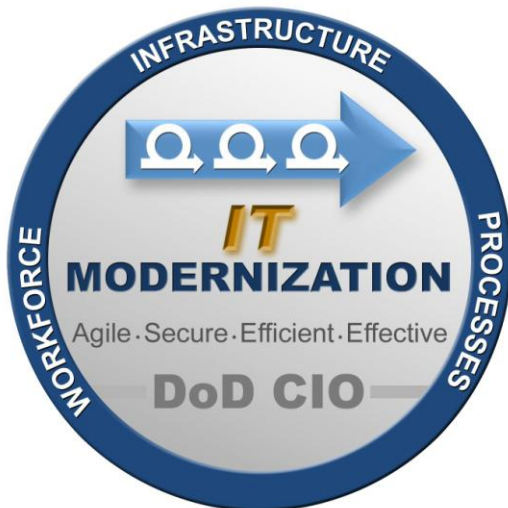




DoD CIO's 10-Point Plan for IT Modernization

Ms. Teri Takai

DoD CIO





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**



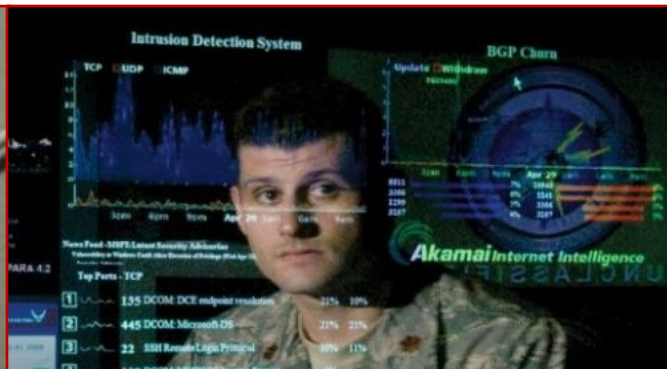
Limited interoperability reduces information sharing and mission collaboration



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

DOD IT MODERNIZATION

CONSOLIDATE INFRASTRUCTURE



1. Consolidate Enterprise Networks



2. Deliver DoD Enterprise Cloud

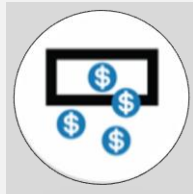


3. Standardize IT Platforms

STREAMLINE PROCESSES



4. Enable Agile IT



6. Strategic Sourcing for IT Commodities



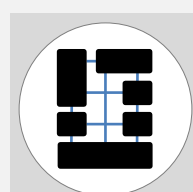
8. Strengthen IT Investments



5. Strengthen IT Governance



7. Strengthen Cyber Security



9. Improve Enterprise Arch Effectiveness

STRENGTHEN WORKFORCE



10. Modernize IT Guidance and Training





1. Consolidate Enterprise Networks



Consolidate Data Centers



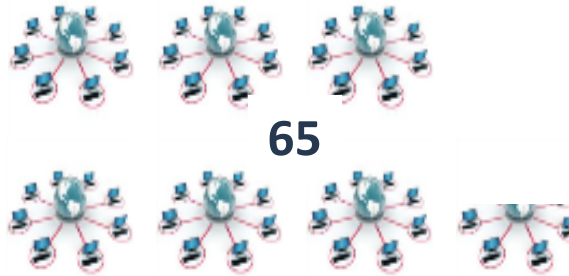
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Consolidate Network Operations Centers

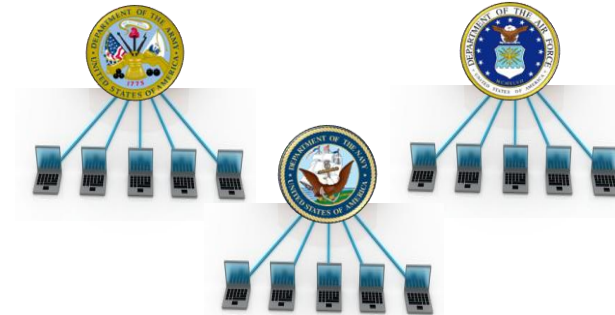


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Optimize to a Joint Enterprise Architecture with Secure Access





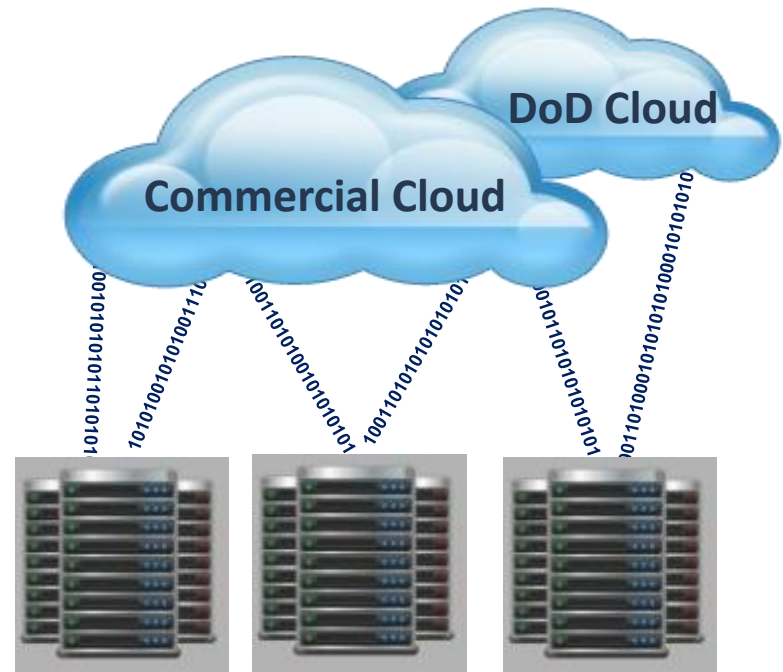
2. Deliver DoD Enterprise Cloud



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



Leverage commercial clouds that meet cyber security requirements

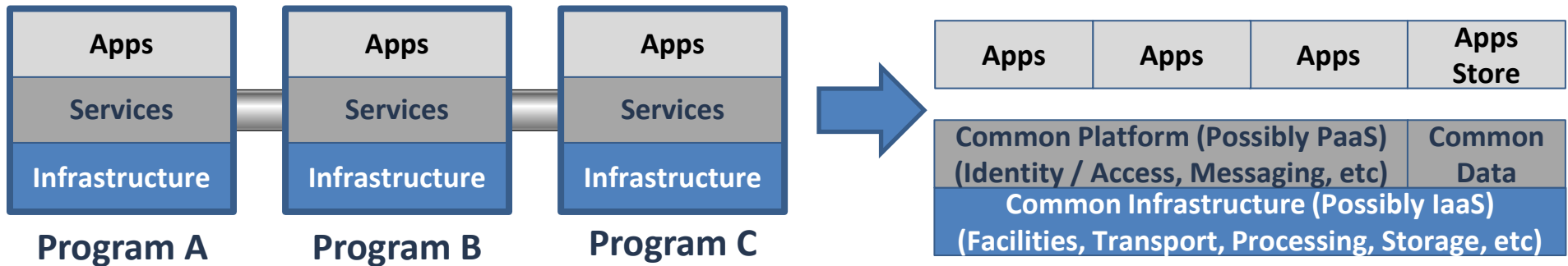




3. Standardize IT Platforms



Minimize program-unique platforms



Design platforms that support a cyber-secure environment



Drive DoD use of standard platforms





4. Enable Agile IT

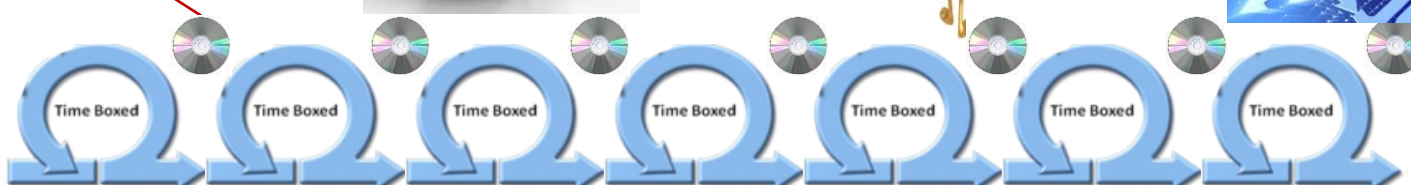


Deliver usable capabilities
to users every 6-12 months

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



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



Integrated test and evaluation, certifications during development leveraging common test infrastructure, automated tools

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

Leveraging **common infrastructure platforms**, standards, and interfaces



5. Strengthen IT Governance



IT Governance



Restructure IT governance boards for Enterprise view

Streamline compliance processes

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

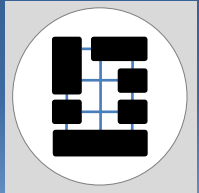


Review performance of major investments





9. Improve Enterprise Architecture Effectiveness



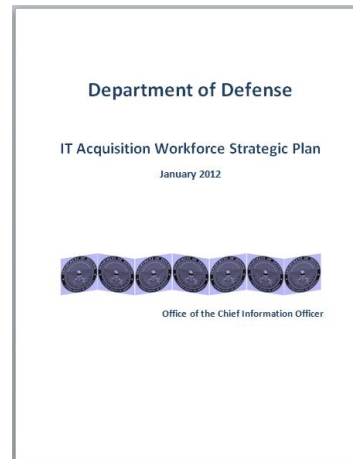
- **Transition from compliance-based process to supporting IT investment decisions**
- **Develop EA Implementation Plan and Instruction**



10. Modernize IT Guidance and Training



Modernize IT Acquisition Education and Training



Implement DoD IT Acquisition Workforce Strategic Plan



Develop Career Roadmaps For IT Acquisition Personnel



Guide Adoption of Agile IT Practices



Create robust IT Acquisition Communities



Benefits of Successful IT Modernization



Increase mission effectiveness



Strengthen cyber security



Improve outcomes of IT Acquisition



Faster capability deliveries



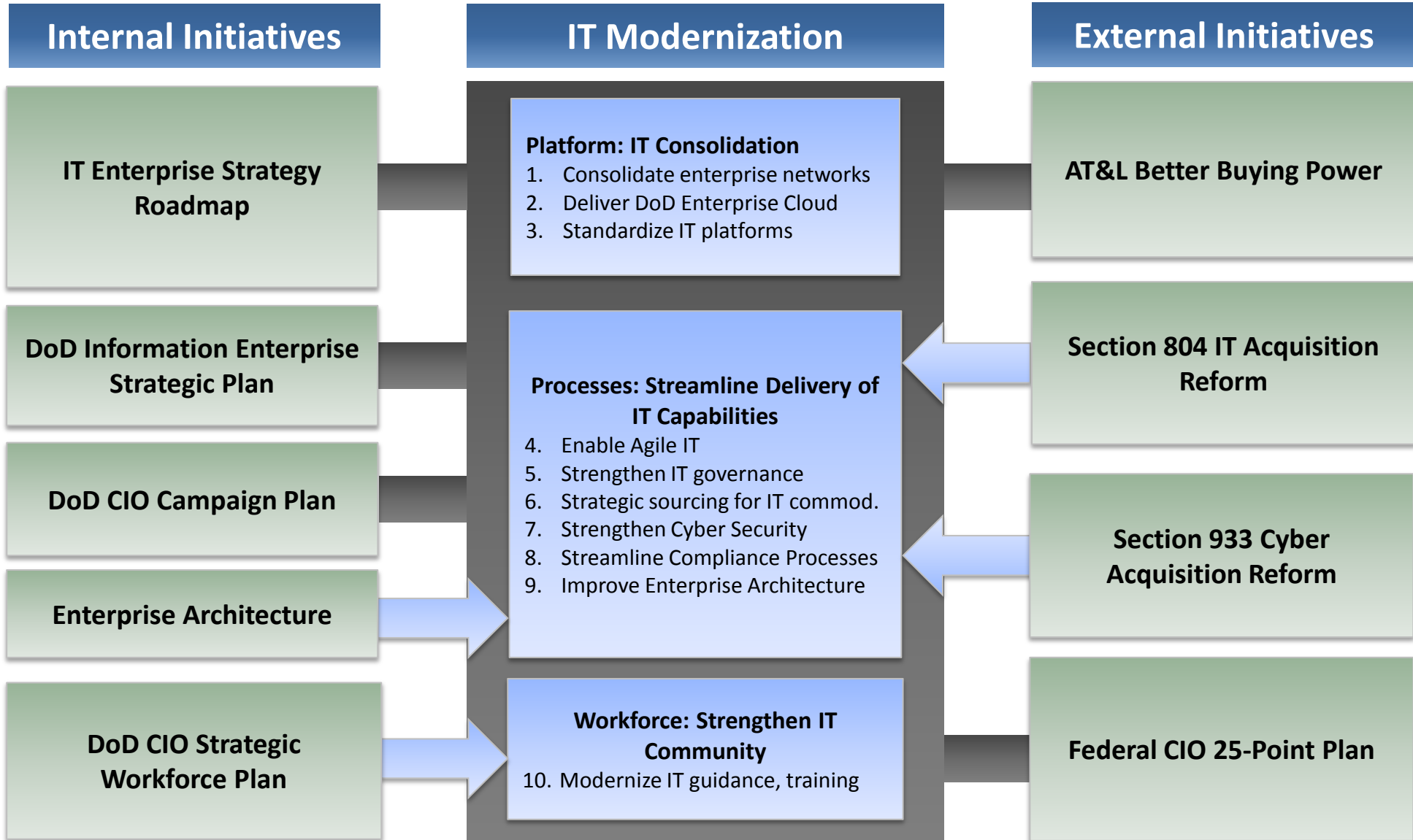
Improve interoperability



Save billions through cost efficiencies

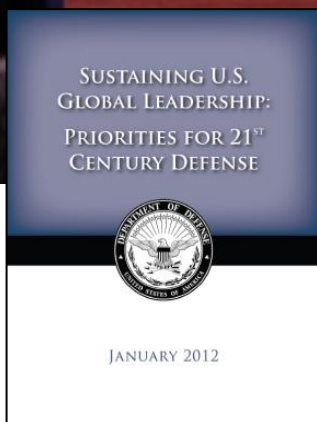


Alignment with Other Initiatives





POTUS: “DoD Will Be Agile”



*“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