National Defense Strategy

• Deliver the lethality our warfighters need.

• Foster partnerships that cut across barriers to mission success.

• Enact reforms to maximize resources and minimize unnecessary risks.
Deliver the lethality our warfighters need.

Foster partnerships that cut across barriers to mission success.

Enact reforms to maximize resources and minimize unnecessary risks.
4 Key Focus Areas

- **Cloud** is the foundation for all Key Focus Areas to unlock the full potential of technology advances for the Department and Warfighter.
- **AI** is a force multiplier and agent of transformation across all DoD functions – we will harness it smartly and at pace.
- **C3** modernization is critical to Department and Warfighter mission assurance.
- **Cyber** dominance and security-first mindset will drive everything we design, build, and operate.

Digital Modernization to run what we have in the most efficient manner and build our future in a cost effective manner.
**ECAPS Scope**

**ECAPS Vision** - integrated information sharing capabilities that allow for a near real-time seamless communication and collaboration and provide freedom of movement across the DoD Enterprise.
Joint Artificial Intelligence Center (JAIC)

What is JAIC?

Mission Needs
- Services, CCMDs, & Mission Owners

Policy & Strategy
- National Defense Strategy
- DoD AI Strategy
- DoD Cyber Strategy

National Mission Initiatives (NMIs)

Component AI Projects

Data
- Structured
- Unstructured
- Semi-Structured

Tools
- Computer Vision
- Machine Learning
- Robotic Process Automation
- Natural Language Processing

Process
- Automated Planning & Scheduling
- Dynamic Retraining
- DevOps
- Agile Dev
- AI Dev Pipeline

Expertise
- Engineering
- Applied Mathematics
- Cognitive Sciences
- Data Sciences

People

Projects

People

Warfighters
- Federal Partners

Academia

Industry

Government

AI Enabled Capabilities
The Nation’s **Command, Control, and Communications system** is our **number one warfighting priority**. We must:

- Modernize key capabilities and devote additional resources to C4ISR
- Operationalize the electromagnetic spectrum that is vital for continued U.S. advantage
- Rapidly evolve special access programs to provide modern, secure, and mission-enabling capabilities

We must now overcome 21st Century threats from space and cyberspace.
DoD Information Network (DODIN)

**Policy & Strategy**
- Cyber Strategy
- DODI 8000 Series
- AI Strategy

**Program of Work**
- Cyber Top 10
- Cyber Posture Review
- Cyber & Network Mods
- Joint Information Environment

**Organizational Capability**
- JAIC
- USCC Cyber C2
- DIB

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**DoD CIO, OSD Cyber Policy, and PCA provide guidance and oversight, DISA engineers/builds, USCC directs operations & defense:**

- DODIN – “All IT/C4 Services”——Capabilities for collecting, processing, storing, disseminating and managing information
- DISN – “The Backbone”——Global network connectivity for voice, video, data, imagery, and VTC
- JIE – The “Framework”——Initiatives for guiding IT modernization (JRSS is one initiative)

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DoD CIO Cybersecurity Environment

- Computer
- User
- Apps
- Data
- C2C
- ICAM
- DOD ECOSYSTEM
- Defense Industry Base
- People
- Data Encryption
- SIPR/NIPR
- Software Assurance
Final Comments

2018