24th Air Force/ AFCYBER
Delivering Outcomes through Cyberspace

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Vice Commander

OVERALL CLASSIFICATION OF THIS BRIEFING IS UNCLASSIFIED
WHAT WILL THE WARRIOR-GUARDIAN OF THE FUTURE LOOK LIKE?

YO! DUDE... BACK HERE
Roles and Responsibilities

24th Air Force
- Organize, Train, and Equip Cyber Forces
- Cybersecurity Service Provider

Air Forces Cyber (AFCYBER)
- Air Force Cyber Component to USCYBERCOM
- Plan and execute cyber operations
- Provider and Defender of the Air Force Network; Contribution to the Global DoDIN

Joint Force HQ – Cyber (AFCYBER)
- C2 of Offensive cyber teams ISO CCMDs
Mission

“American Airmen delivering full-spectrum, global cyberspace capabilities and effects for our Service, the Joint Force, and our Nation”

Guiding Principles

- Normalize Force Presentation
- Secure and Defend our Mission Systems
- Increase Full-spectrum Cyber Operations Support to AF Component and Joint Operations
- Optimize Service Multi-domain Integration

We Build, Operate, Secure, Defend, Extend, and Engage In, From, Through Cyberspace to FLY, FIGHT, and WIN for America!
What I Believe

• Most critical element in Cyber is not Cu, Si, or Ti… It’s C!
• We are an operations and maneuver force in support of assigned missions: DCO, OCO and DoDIN
• Cybersecurity and Operations are Commander’s Business
• Normalize cyberspace like all other operational domains
• Readiness is our currency… “the institutional standard”
• Access is our Rubicon for effects operations

Cyber’s Critical Element
Secure enterprise infrastructure and DoDIN mission entities by deterring attack vectors
- Standardized TTPs in response to non-kinetic threat activity
- <0.001% exposure to external scanning
- User login credentials assessment and control

Defend $14.2B AF enterprise network and key mission systems
- 1.3B malicious in-bound connections blocked
- 5M out-bound suspect connections denied
- 147 RPA feeds monitored
- 15-20 new threats identified & mitigated

Extend Air Force Network and provide tactical communications in remote locations in support of contingency operations
- 60-90 Airmen deployed or supporting exercises
- 15 exercises / contingencies in planning
- 10-20 Airmen on mission supporting US Secret Service

Engage cyber capabilities in support of Combatant and Air Component Commanders
- Offensive Cyber Operations mission planning
- Operational planning and development
- Integration with CCMD and JFACC schemes of maneuver
- Tool development and malware analysis

“BOSDEE” – Our Lines of Effort

Build
Operate
Secure
Defend
Extend
Engage

Build, Engineer and Install Air Force Network infrastructure worldwide
- Support all 11 MAJCOMs and 7 CCMDs
- 30-70 Airmen TDY completing 60+ Active E&I Projects
- 60-90 deployed worldwide
- Tool and capability development

Operate enterprise mission services for ~1 million AF users worldwide
- 99.999% core system uptime
- 20 network orders executed
- 623 network trouble tickets closed

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Cyber Mission Force

National Mission Forces
Counter Cyberspace Attacks

21 Teams

Combat Mission Forces
Focused On Combatant Command Requirements

44 Teams

Cyber Protection Forces
Defend and Secure DOD Infrastructure + Support for Protecting DOD Networks

68 Teams

133 Total Teams 6,000+ People
Defend the Nation by seeing adversary activity, blocking attacks, and maneuvering to defeat them.
Conduct military cyberspace operations in support of the joint warfighter
Cyber Protection Forces

Defend the Department of Defense Information Networks and protect priority missions
Air Force Contribution to the CMF Structure

Defend the Nation
- National Mission Team: 4 Teams
- National Support Team: 2 Teams
- National Cyber Protection Team: 6 Teams

CCMD Support
- Combat Mission Team: 8 Teams
- Combat Support Team: 5 Teams

Cyber Defense
- Service Cyber Protection Team: 7 Teams
- Combatant Commands + DoDIN Cyber Protection Team: 7 Teams

- Total contribution: 1,700+ Airmen; 39 Teams
- JFHQ-C (AFCYBER) / AFCYBER presents forces to USCYBERCOM
- Jointly manned by 24 AF & 25 AF (1,000+ and 700+ Airmen)

Cyber National Mission Force
- 12 Teams

USSTRATCOM / USEUCOM / USPACOM / USCENTCOM
- 13 Teams

Multiple Cyber Mission Owners
- 14 Teams
Mission Outcomes We Need…

- “An Air Force Information Dominance Platform”
- Cyber SA that informs our Operational Maneuver (missions)
  - Sensors, logging, analytics
- Secure Data: At Rest, In-Transit, Transport Agnostic
- Automation: Proactive defense & responsive operations
- “Access on Demand”
- Extending AFIDP to non-permissive forward edge
  - Modern/Modular/Scalable
CAUTION: Airmen in the loop!

- What’s the most critical element in Cyberspace Operations?
  - Relevant & responsive curriculum
  - Persistent Training Environments
  - Simulators
  - Airmen for Life
  - Private Sector permeability
  - Weapon System Sustainment
  - Tools, Tools and more Tools
  - Innovation requires Education
Questions

Pentagon will respond with force to cyber attacks...

SEND JIMMY OUT WITH HIS LAPTOP...

US DRONE

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