

Headquarters U.S. Air Force

Integrity - Service - Excellence

Air Force digI**Tal transformation experience**

“We have AFITE in front of us”



Mr. Bill Marion
SAF/CIO A6
22 May 2018

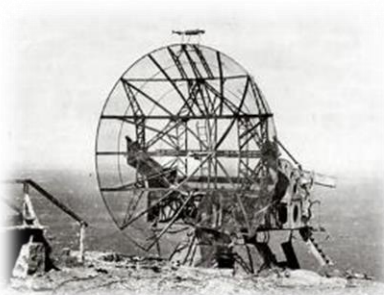
U.S. AIR FORCE



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Pendulum of Warfare

- **Similarities between Cyber and Airpower**
- **Pendulum Swing of Offense and Defense**



Interwar

WWII

1980s

Stealth



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New Ways of ...



Securing



Mission Execution



Accessing and
Developing Talent



Planning/Execution



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Mission Assurance

New Ways of Securing



Tenets:

- Red-teaming and external assessments
- Rapid ATO with reciprocity
- Focus on supply chain trust
- Diversity and Resiliency
- Identity Management
- Mission assurance in every step
- Focus on Data

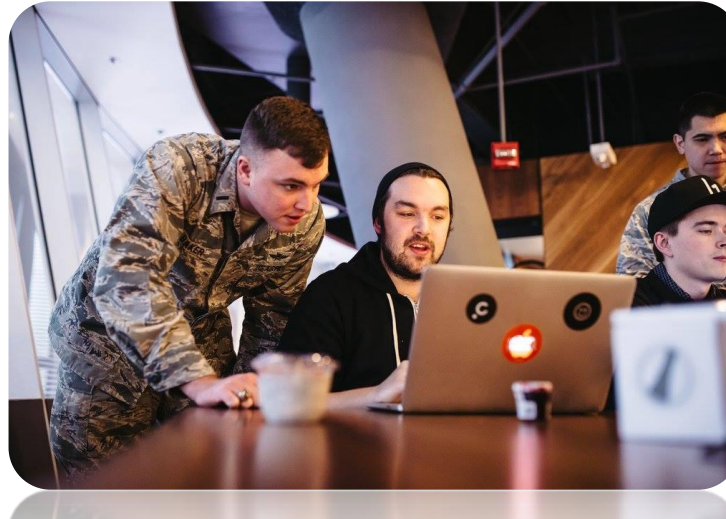
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Mission Assurance

New Ways of Securing



Programs

- Hack the Air Force
- RMF Next & ATO-in-a-Day
- Supplier Policies
- Cyber Mission Forces
- Mission Defense Teams
- 2-Factor Security

“The Department [of Defense] will invest broadly in military application of autonomy, artificial intelligence, and machine learning...to gain military advantages” -2018 National Defense Strategy

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Airmen IT Experiences

New Ways of Working

Tenets:

- User Experience
- Cloud-first
- Commercial Enterprise and Collaboration Services
- Mobile-first
- User Experience
- Ubiquitous Access
- Use-case Driven



New Ways of Doing Business





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Airmen IT Experience

New Ways of Working



Programs

- Enterprise IT as-a-service
- Cloud-Hosted Enterprise Services
- AFNet Mission Platform Experience (AMPE)
- Resolve Bottlenecks
- Common Cloud Environment
- AFNET Mobile
- Returning base rights to Comm Squadrons
- eTools

Success Is When the Mission Operator States “It Just Works” ...Our Focus is the Mission

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DoD Reform

New Ways of IT Planning/ Execution



Tenets:

- Reinvesting for lethality, not to cut cost
- Service Leads, not 4th Estate
- COTS vs Custom
- As-a-Service Models
- Agile Contracting



New Ways of
Planning/Execution



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DoD Reform

New Ways of IT Planning/ Execution

Programs:

- Joint One-Net
- Navy Joint Enterprise Licensing
- Air Force Mission Partner Environment
- Cyber Resiliency Office for Weapon Systems
- Commercial SATCOM
- JEDI, JRSS??

Our competitive advantage is our jointness – our ability to integrate across the services and coalitions – Def Sec Mattis

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Talent Management

Accessing and Developing Civilian Airmen



CYBERWORX™



Educate



Partner



Innovate



Build



New ways of Accessing and
Developing Talent

Tenets:

- STEM-focused
- Agile recruiting
- IT to Mission Assurance



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Talent Management

Accessing and Developing Civilian Airmen



Programs:

- Cyber Excepted Service
- Cyber Civilian Recruiting
- Cyber Coding

“A more lethal force, strong alliances and partnerships, American technological innovation and a culture of performance will generate decisive and sustained U.S. military advantages” -2018 National Defense Strategy

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Unleashing Our Best Weapon: Our Airmen

- Unleash subordinates' initiative, innovativeness and aggressiveness
- "There should be an app for that"
- Innovation Funding
- Defense Innovation Unit – Experimental (DIUX)
 - Tanker Tool
 - AOC 10.2



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Questions



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Thank you and Congratulations!

Chapter Awards:

- ***Harry C. Ingles Award (2nd Consecutive)***
- ***AFCEA Model Chapter Award (21st Consecutive)***

Member Awards:

- ***Tom Gwaltney - Admiral Jon L. Boyes Medal for Distinguished Service to AFCEA***
- ***Kenny Edmundson - Meritorious Service Award***
- ***Medal of Merit Winners:***
 - ***Brian Knott***
 - ***Charise Stokes***
 - ***Tom Gwaltney***