

Headquarters U.S. Air Force

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DoD BMO and AF Biometrics Partnership



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ESC/DIWS
Biometric Consortium Conference
Crystal City, VA
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Air Force Stakeholders

- Air Staff (AF/XICC)
 - Policy
- Air Force Communications Agency (AFCA/WFP)
 - Lead Command
 - Participates in DoD BMO Activities
 - Requirements / Funding
- Electronic Systems Center(ESC/DIW)
Information Assurance Product Area Directorate
 - Implementing Command
 - Supports DoD BMO Activities
 - Performing Biometrics Quick Looks and Pilots
 - Provide Technical Solutions



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Is the AF Enterprise ready for Biometrics?

At first glance it would seem so...

- **Big challenge**
 - **Biometrics must become a fully integrated component within a complex enterprise network environment**
 - **There are very few solutions that meet this challenge today**
- **Biometric technology is not the issue**
 - ✓ **It's the integrated solution and business processes**

People...Processes...Technology
Keys to Transformation



AF support to the DoD BMO

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- Perform technology evaluations
- Tech demonstration / pilot team member
- Documentation contributor / reviewer
- Conduct risk assessments
- Formulate recommendations for future technology demonstrations / architectures
 - ✓ ESC/DIW proposed conceptual distribution architecture (Jul02)
 - ✓ Leveraging on DoD Directory Services Infrastructure - Implementation Plan (ECD 16Dec02)





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Physical Access “Quick Look”



Situation / CONOPS

Physical Access

- Leased Commercial Office Space, San Antonio, TX
- Limited Access
- Use existing access control system as is
- Accountability

Technical

Physical Access

- Biometric Sensor on Card
- Smartcard
- Biometrics enable existing physical access control system
- Ten templates on chip

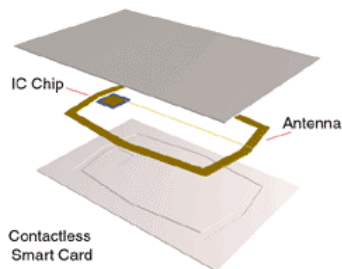
Outcomes

- Cutting Edge Technology
 - **First time reader on card has been used in a working security system.**
- Physical Access to 2 entry points
- Users do not need to remember PIN
- Two Factor Verification



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Physical Access “Quick Look” *cont.*



Situation / CONOPS

- Physical Access to SCIF
- Track Access and Entry Requirements
- Central Monitoring of Access Attempts
- 64 Personnel Using Area

Technical

- Iris Scanning Physical Access (Iridian)
 - Main Door Iris into SCIF
 - Two factor authentication through use of Contact-less Token
 - Iridian IrisAccess 2200

Outcomes

- Physical Access to secure facility
- Two Factor Verification
 - Contact-less Token
 - Biometric
- **First time that contact-less and IrisAccess have been integrated together.**
- Increased Security



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Physical Access “Quick Look” *cont.*



Situation / CONOPS

- Base Network Operations Center
- Restricted Access
- 50+ Users needing access to the facility

Technical

Physical Access

- 1:1 Methodology with PIN
- Ingress Only
- Single Access Control System that manages both hand geometry and fingerprint. (Lenel, Inc.)

Outcomes

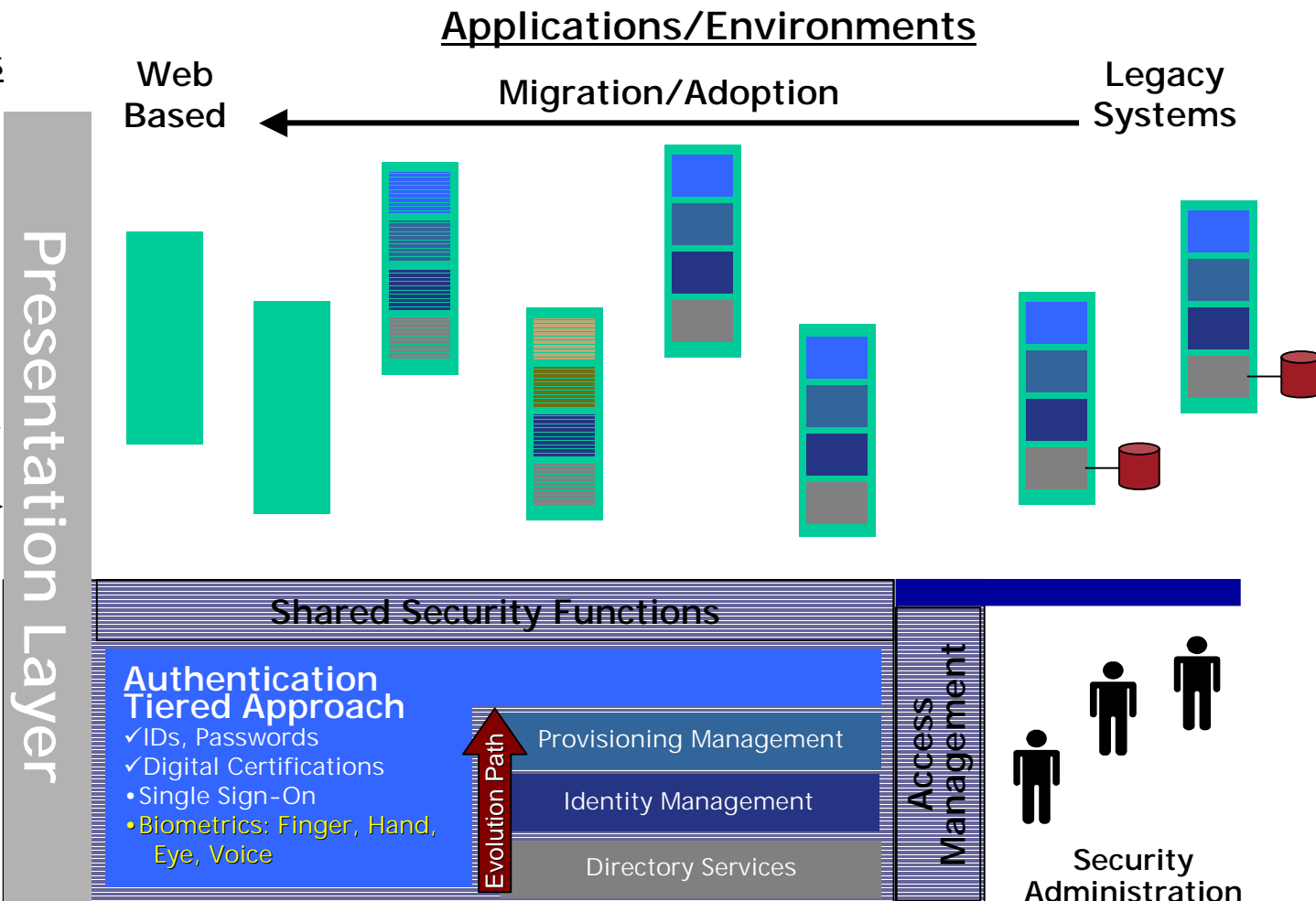
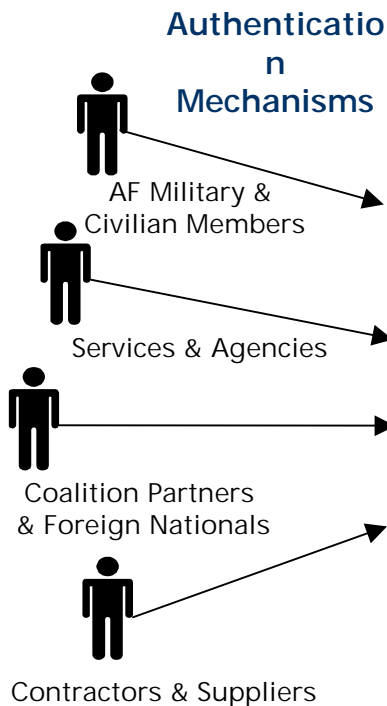
- Cutting Edge Technology
 - **First time these units have been integrated into one security system**
- Physical Access system for 6 entry points
- Two Factor Verification
 - Four digit access code
 - Biometric



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Logical Access Integrated Components ...Biometrics as a Key Enabler

User Communities



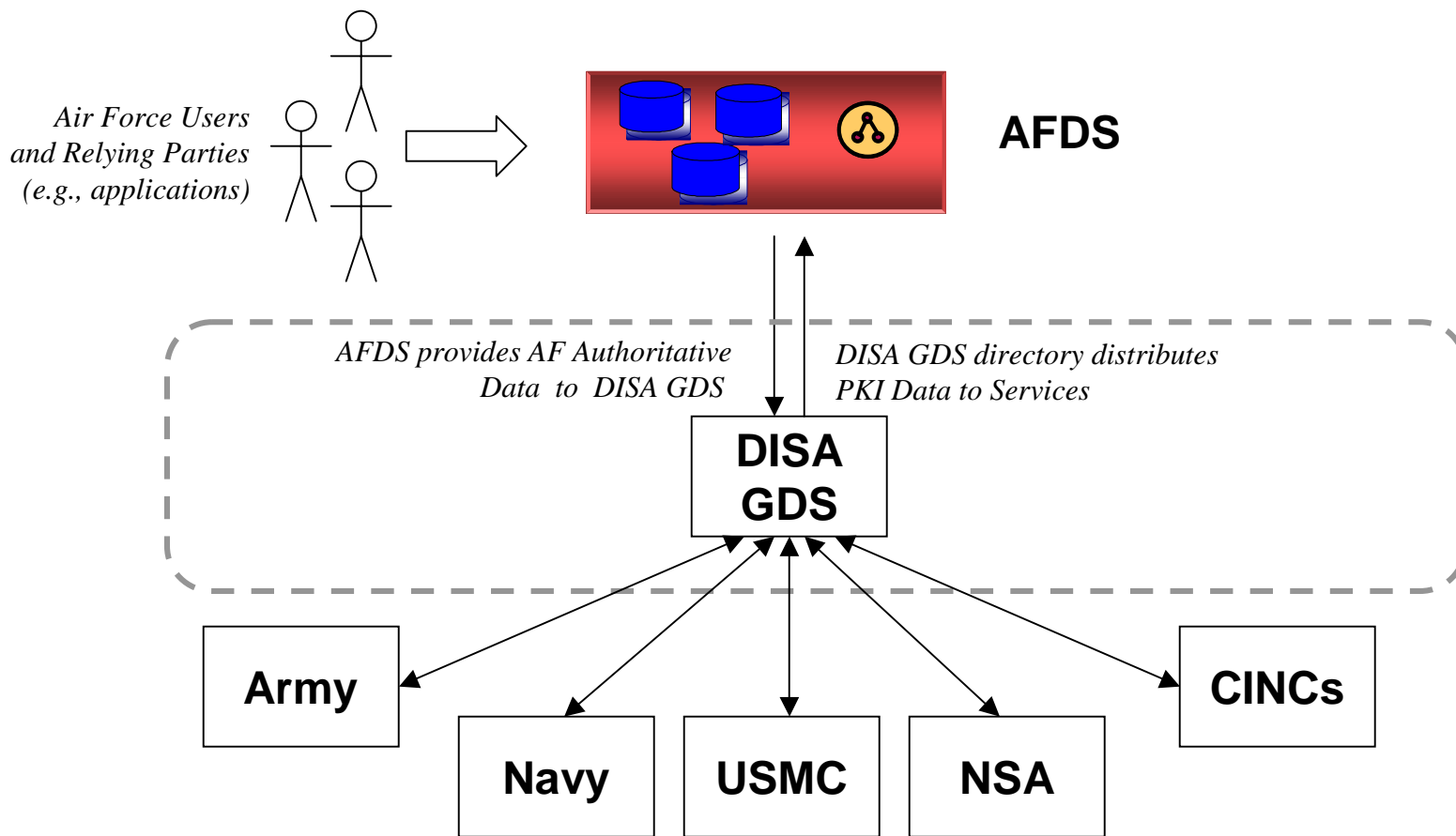
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DoD Directory Services Infrastructure

...Secure timely information brokering





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