

DMDC

Information and Technology for Better Decision Making

DoD CAC Transition Status

July IAB

July 24, 2008

Presented By:
Frank Jones
Access Card Office



July 2008

Topics

- **Card Configuration—DoD's PIV Transitional vs. End Point Implementation**

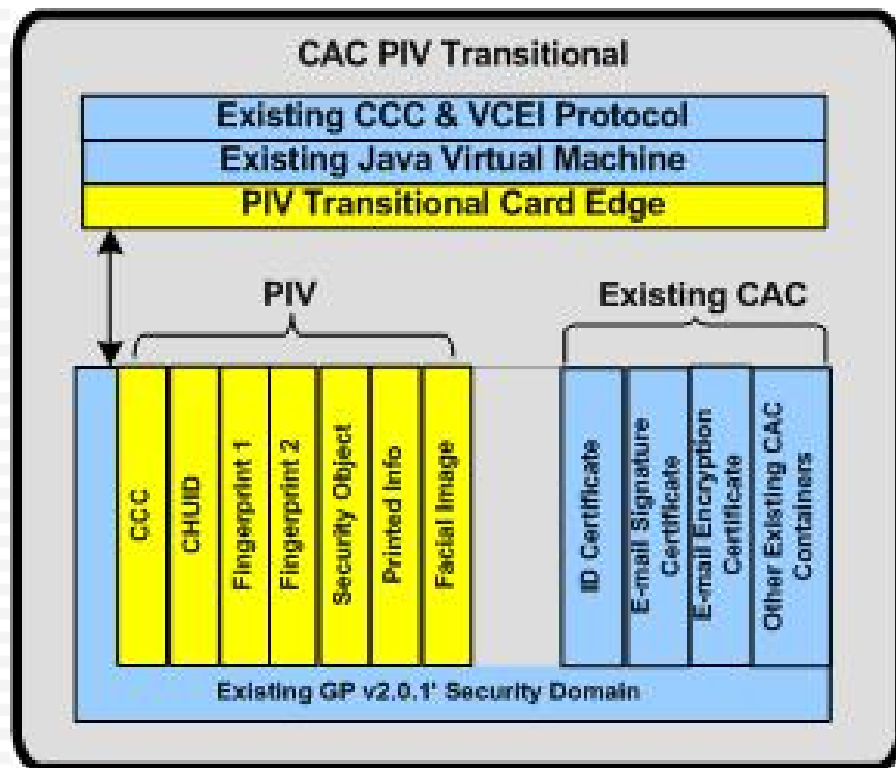
3.4 M cardholders / 2.5 M cards issued annually

- **DoD's Migration Status**

64K contact only → 64K dual interface → 128K Transitional → End Point

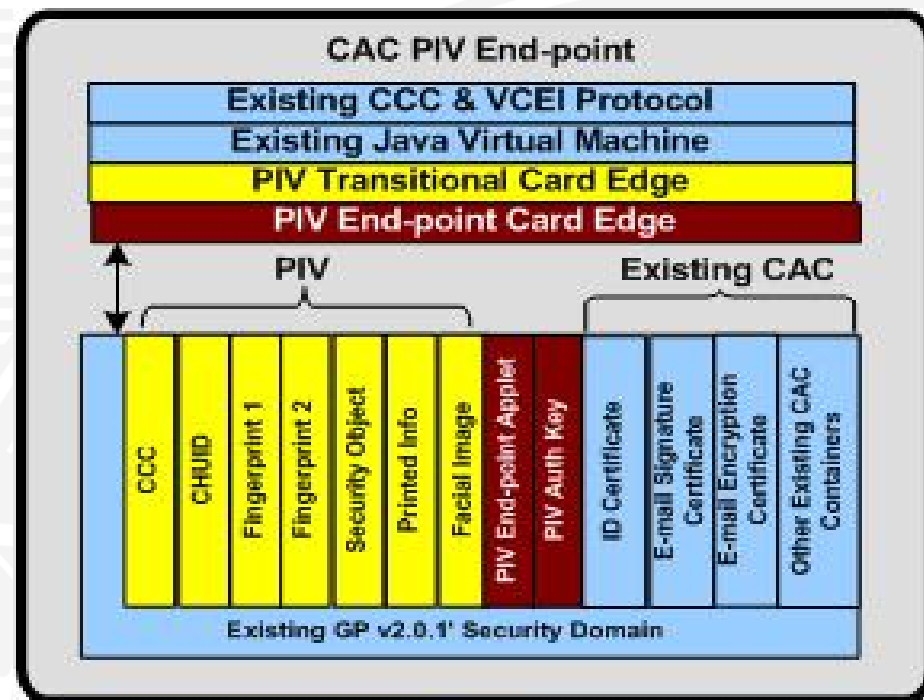
- **Challenges Ahead**

Card Configuration—DoD's PIV Transitional vs. End Point Implementation



PIV Transitional

Existing CAC



PIV Transitional

Existing CAC

PIV End-point

±600K Cards issued to date

PIV Transitional

- **Over 1600 of 2600 workstations converted to support PIV transitional**
 - 1225 workstations issuing PIV cards
- **Over 600K DoD CAC PIV Transitional cards issued**
 - No “Big Bang” issuance
- **Cards are updatable to support PIV end point**
 - Web Application: UMP/PIP
Certificates, Applets

End Point Transition

- **Platform and basic components**
 - Testing completed and approved for addition to operational inventory
 - Adds PIV Auth Certificate and PIV end-point Applet
- **PIV Issuance Infrastructure**
 - Migrating PIV transitional workstations to PIV end point (expect to be completed in next 3-5 weeks)
 - Once converted, all new CAC PIVs will be issued as end-point
- **Updating CAC PIV transitional platform**
 - Enhanced UMP-PIP operational
 - All DoD CAC PIV transitional cards that need to support PIV end-point can be updated

Cryptographic Migration

- **DoD continues to review and test affects of PKI-related changes:**
 - **Support of stronger cryptographic algorithms (e.g. RSA 2048, SHA-256, ECC)**
 - **Support for all elements of Federal CP**
 - **Support for CRL Nextupdate feature**
- **Once testing is completed, DoD leadership will approve the next steps**
- **PKI is a formal acquisition program within DoD**
- **Timeline addressed in Implementation Plan**
- **Extend card expiration date/Shorten PKI cert. expiration**

Challenges

- **Evolving standards → Change during implementation & backward compatibility**
- **Formal policy change & publication**
- **Background investigation completion confirmation**
- **Federation**
- **Non-PIV eligible population**
 - **Volunteers**
 - **Some foreign nationals**
 - **Retirees & Dependents**
 - **Local populations**

Frank Jones

Director, Personnel Identity
Protection Solutions

Defense Manpower Data Center

For more information:

www.cac.mil

www.dmdc.osd.mil/smartcard