

Agenda

- About Wells Fargo
- Smartcard Access Management (SAM)
- What Makes FIPS-201 Attractive?
- Federation (LACS and PACS)
- Other Considerations

These opinions are strictly my own and not necessarily those of Wells Fargo.

Wells Fargo

- Wells Fargo & Company (NYSE: WFC) is a nationwide, diversified, community-based financial services company with \$1.4 trillion in assets.
- Founded in 1852 and headquartered in San Francisco, Wells Fargo provides banking, insurance, investments, mortgage, and consumer and commercial finance through more than 9,000 stores, 12,000 ATMs, and the Internet (wellsfargo.com), and has offices in more than 35 countries to support the bank's customers who conduct business in the global economy.
- With more than 270,000 team members, Wells Fargo serves one in three households in the United States. Wells Fargo & Company was ranked No. 25 on *Fortune's* 2013 rankings of America's largest corporations. Wells Fargo's vision is to satisfy all our customers' financial needs and help them succeed financially. Wells Fargo perspectives are also available at blog.wellsfargo.com.

Wells Fargo

- Individuals began participating in Smart Card Alliance activities as early as 2007.
 - Web-based *Smart Card Fundamentals*
 - LEAP
- SCA General Membership in 2010
 - Brian Keltner: CSCIP in 2010... "G" and "P" added in 2012
 - Justin Davis: CSCIP/G in 2011
- Growing SCA participation across multiple business units

Smartcard Access Management (SAM)

The “CAM” in ICAM

Credentialing: SAM team that manages the issuance of @5000 access badges per month

Access Management: Multiple Teams

- **Logical access control system (LACS)**
 - Engineers that partner with relying application teams to develop strong authentication solutions
- **Physical access control system (PACS) Support**
 - Engineers that support the Enterprise PACS infrastructure and operations
- **Rights and Requests Management**
 - Analysts that manage the lifecycles of access badges and provide the mechanisms for area owners to grant access
- **Governance and Vendor Management**
 - Management of risks and controls
 - Policy development and alignment
 - Procurement of products and services

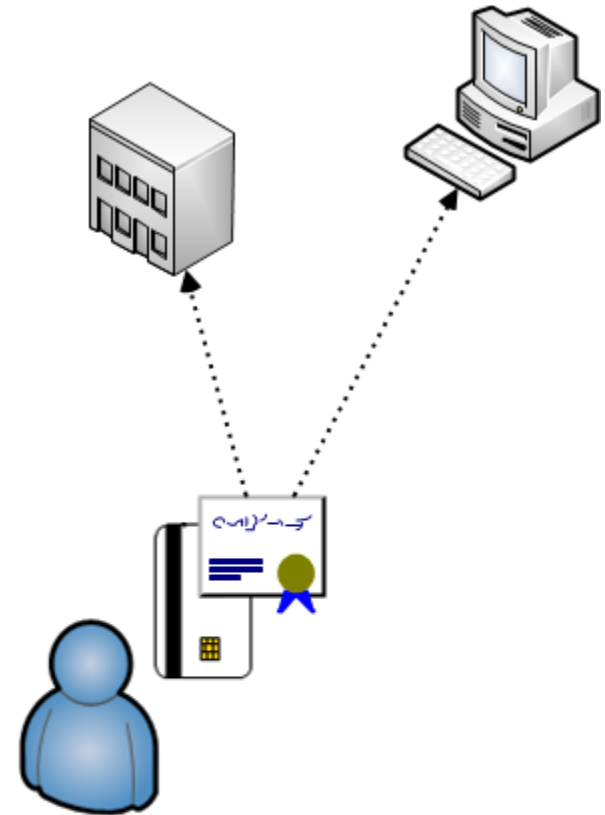
What Makes FIPS-201 and CIV Attractive?

- **Standards-based Solutions**
 - NIST SP800-73, SP800-76, SP800-116, etc.
 - SP800-63 (electronic authentication)
 - ISO/IEC 14443
- **Interoperability**
 - Native support for FIPS-201 credentials on many logical access platforms
 - Growing support in the PACS industry
- **Increased Levels of Assurance**
 - Match your LoA to your policy requirements
- **Federation**
 - One strong credential...many uses
 - Event correlation
 - Interaction with other trusted issuers
- **New Opportunities in FIPS-201-2**
 - Contactless Secure Channel, Derived Credentials, On-Card Comparison
 - “Chain of Trust” for enrollment

Federation – PACS & LACS

By combining PKI validation with CIV card technologies, authentication for PACS & LACS use common methods.

- CIV Authentication Certificate used for authentication to end points and network applications can also be used for authentication at a door reader
- LACS & PACS authentication technologies use common PKI platforms for validation of authentication certificates
- *CIV: Commercial Identity Verification.* Program based upon FIPS-201 standards that also provides the framework for Personal Identity Verification (PIV) and PIV-Interoperable (PIV-I) integration. CIV requires compliance with technical standards but allows for local policies.



Additional Considerations

- **Standards provide the technical roadmap but careful change and program management are still necessary**
- **CSCIP Section 4.9 Summary***
 - *Planning*
 - *Choose Carefully*
 - *Start at the top*
 - *Talk early and often*
 - *Beware of scope creep*
 - *Evaluate progress frequently*

**CSCIP Module 7 – Other Topics*

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Questions?

Brian Keltner

Information Security Engineer, CSCIP/G/P, CCIPE

Smartcard Access Management

Information Security Technology

West Des Moines, IA | 50266

MAC N2720-010

Office 515-222-1325 | Cell 515-401-8190

BrianKeltner@wellsfargo.com