

Interagency Advisory Board

Meeting Agenda, Wednesday, June 29, 2011

1. **Opening Remarks** (*Mr. Tim Baldrige, IAB Chair*)
2. **Using PKI to Mitigate Leaky Documents** (*John Landwehr, Adobe*)
3. **The Digital Identity Ecosystem of the States: Leveraging Federal Initiatives** (*Doug Robinson, NASCIO*)
4. **Achieving Federal Identity Compliance in PACS Without a Rip-and-Replace Investment** (*Dave Adams, HID*)
5. **Aviation Credentialing and the New RTCA Standard 230C** (*Christer Wilkerson, AECOM*)
6. **Closing Remarks** (*Mr. Tim Baldrige, IAB Chair*)

Achieving Federal Identity Compliance in PACS

Without a Rip-and-Replace Investment

Dave Adams

Date June 29, 2011



Agenda

- New Requirements
- What to do about them
- PIV-I
- Questions



New Requirements

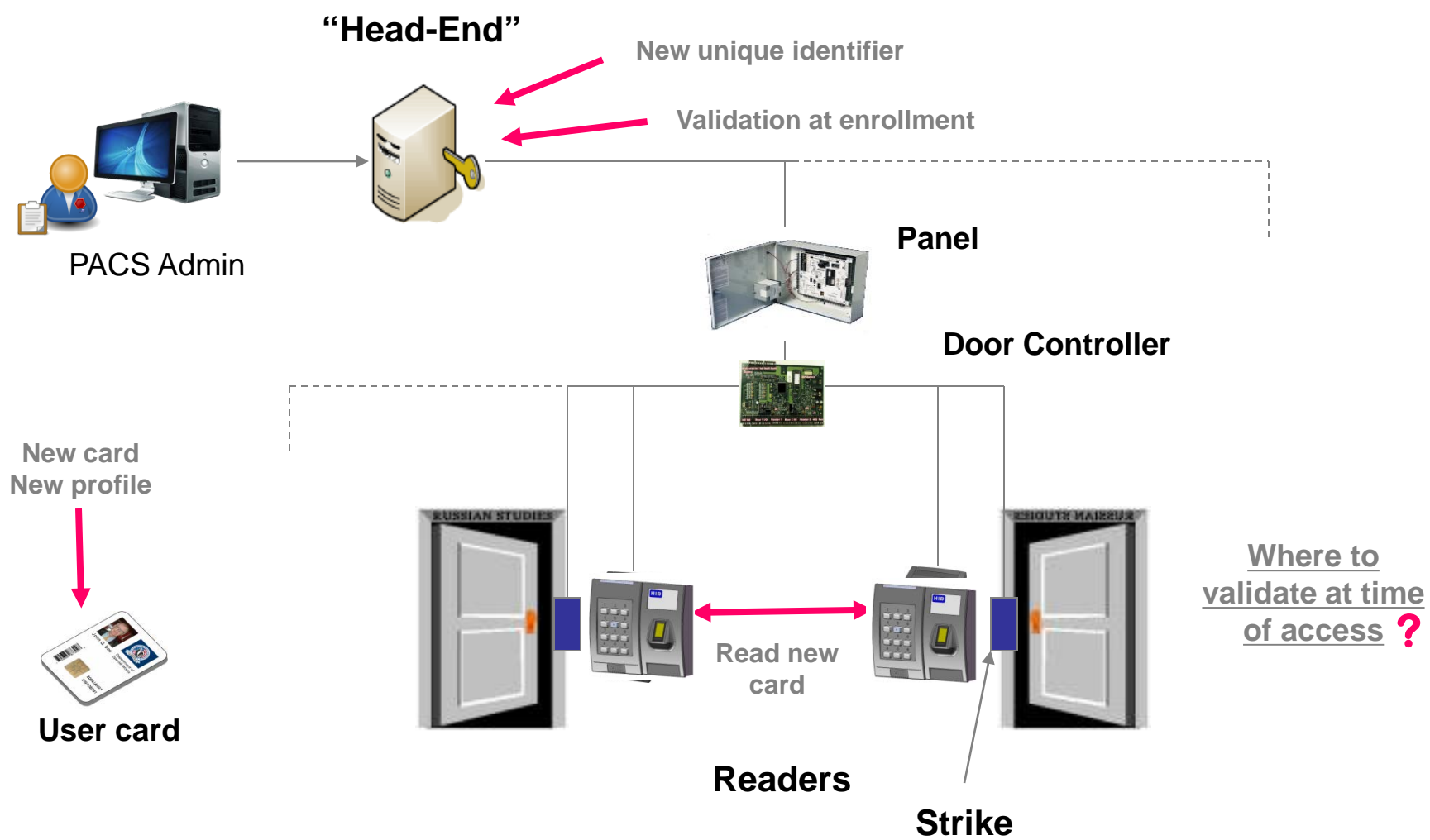


Factors driving change in physical access

- Two major problems to be solved
 - Improved security (token & issuance process)
 - Interoperability
- Move to PKI based identity credentials
 - Central issuance of credentials
 - All previous systems involved local issuance
 - Standardization of credentials
 - All previous systems were proprietary
- User benefits
 - PKI based smartcard credentials more secure
 - Standardized credentials key to interoperable
 - Standards based products lead to choice and cost savings



Required PACS Changes for PIV World



What we're doing about it



What HID is doing about it...

HID Global – US Federal Identity Initiative

Physical
Access
Control

Mobile
Authentication

PIV-I

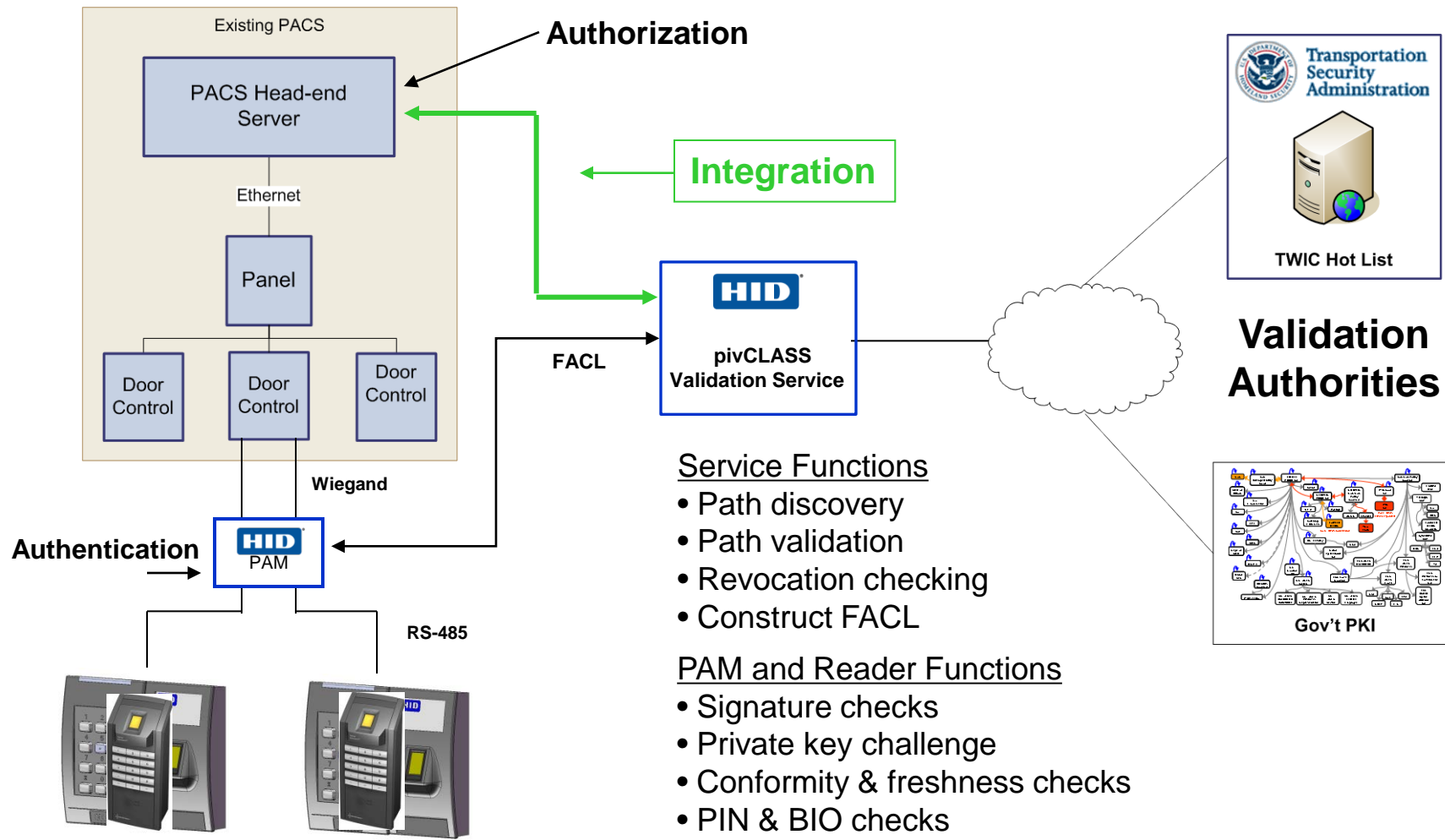
pivCLASS
Authentication
Ecosystem

pivMAN
Mobile

PIV I Card
production

PIV-I Services

pivCLASS Authentication Module Approach



Supported Cards and Auth Modes

Card Types

- PIV
- PIV-I
- Legacy CAC
- CAC NG
- CAC EP
- TWIC
- FRAC
- (iCLASS to be added)
- Others TBD

Auth Modes

- FASC-N (unsigned CHUID)
- ❖ CHUID
- ❖ Card Auth (CAK)
- ❖ PIV Auth + PIN
- CHUID + BIO (TWIC mode)
- Card Auth + BIO (TWIC mode)
- ❖ PIV Auth + PIN + BIO
- iCLASS and others to support transition



Flexibility to Mitigate Multiple Threat Levels

Auth Modes ↓	Secures against cards that are				Auth Factors	SP 800-116 Security Area
	Revoked	Counterfeit or Altered	Copied or Cloned	Lost or Stolen		
FASC-N	✓				None	Uncontrolled
CHUID+VIS	✓	✓			1	Controlled
CAK	✓	✓	✓		1	Controlled
PIV+PIN	✓	✓	✓	✓	2	Limited
PIV+PIN+BIO	✓	✓	✓	✓	3	Exclusion

- Performing signature checks and private key challenges at enrollment is not sufficient to achieve these levels of assurance. They must also be done at the time-of-access.
- Revocation checking for FASC-N and CHUID modes must be done using the PIV certificate CRL.

PIV-I



HID's New PIV-I Services



[What is PIV-I?](#) | [Where It Works](#) | [How To Sign Up](#) | [Get Started](#) | [Contact Us](#) | [FAQ](#)

HID Global PIV-I Service

HID Global PIV-I Service is a quick and easy source to obtain PIV-I cards for your employees. HID Global is the trusted global leader in physical access cards and PIV card technology. With our recent acquisition of **ActivIdentity**, we are also the leading provider of PIV issuance and verification software to the U.S. government.

Certified by **CertiPath**, HID Global PIV-I cards are PIV-Interoperable, fully compliant with U.S. Federal standards and mandates, and trusted by all Government agencies including the U.S. Department of Defense (DoD). Our secure process makes it easy for government contractors to continue to gain access to government facilities with no interruption to daily business.



HID's New PIV-I Services

How do I get my employees PIV-I cards?

To **get started**, register your company by completing the Customer Application. This creates an online account for one or more of your company representatives to purchase PIV-I cards and sponsor employees. Once employees have been sponsored, they will receive an email directing them to our enrollment website. The enrollment website takes employees through four simple steps to obtain their PIV-I cards.



Step 1
Pre-enroll and Set
Enrollment
Appointment



Step 2
Show up for your
appointment at the
PIV-I Center



Step 3
Schedule a time to
pick-up your PIV-I
card



Step 4
Pick-up and
activate your
PIV-I card

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