



Federal CIO Council
Information Security and Identity Management Committee

Identity, Credential, and Access Management

www.idmanagement.gov

PACS Demonstration (They said it couldn't be done, so we did it.)

Judith Spencer
Agency Expert - IDM
Office of Governmentwide Policy
GSA
Judith.Spencer@GSA.Gov



General Services Administration
Office of Governmentwide Policy



Background

GSA partnered with Exostar/CertiPath to develop a demonstration Physical Access Control System (PACS) solution that would:

- Demonstrate convergence of physical and logical access control in a federated environment
- Be interoperable across multiple cards (PIV, CAC, PIV-I)
- Utilize Digital Credential capabilities
- Provide access control authentication for any credential whose trustworthiness can be established via the Federal Bridge
- Provide rapid electronic authentication for access
- Demonstrate feasibility of SP 800-116 authentication options (including biometric)

Where possible it must utilize existing infrastructure



Objectives

Provide an operational, installed capability – not a laboratory experiment

Demonstrate the fully functional access control system to interested parties

Author Federated PACS Specification Document

Host Government Open House in February

Provide 6 months of ongoing demo support on an as-requested basis



The demonstration today

For those with functional PIV/CAC cards who registered on line:

- You gained access to Exostar offices using the contactless interface on your PIV/CAC card

For everyone:

- A walk through on how this solution was reached and an overview of what it does.
- A tour of the PACS Head End
- A demonstration of the technology and a look at the behind the scenes functionality – Full Access Control Functionality

This is a working system, in use every day by Exostar personnel



Supported Cards and Auth Modes

Card Type

PIV

PIV-I

Legacy CAC

CAC NG

CAC EP

TWIC

FRAC

Auth Mode

FASC-N – unsigned CHUID

Signed CHUID

Card Auth

PIV Auth + PIN

unsigned CHUID + BIO (TWIC)

Card Auth + BIO (TWIC)

PIV Auth + PIN + BIO



Summary

The ICAM Segment Architecture calls for the modernization of PACS infrastructure in order to fulfill the requirements of HSPD-12

This solution provides one option for upgrading an installed PACS for HSPD-12 conformance

Implementing this or a similar solution will facilitate inter-organizational trust of PIV cards and promote automated visitor access control capabilities (where appropriate)

The Federated PACS specification document will be published later this month on IDManagement.gov