



**Smart Card  
Alliance**

# **Personal Identity Verification (PIV) in Enterprise Physical Access Control Systems (EPACS)**

## **A Smart Card Alliance Educational Institute Workshop**

**Randy Vanderhoof**

**Executive Director, Smart Card Alliance**

**2014 Smart Card Alliance Government Conference  
Walter E. Washington Convention Center, Washington DC  
October 28, 2014**

*© 2014. Smart Card Alliance. All Rights Reserved.*

# About the Smart Card Alliance

The Smart Card Alliance is a not-for-profit, multi-industry association working to stimulate the understanding, adoption, use and widespread application of smart card technology.

Through specific projects such as education programs, market research, advocacy, industry relations and open forums, the Alliance keeps its members connected to industry leaders and innovative thought. The Alliance is the single industry voice for smart cards, leading industry discussion on the impact and value of smart cards in the U.S. and Latin America.

For more information please visit

<http://www.smartcardalliance.org>.



# About the Access Control Council

- **Council Goal**

Accelerating the widespread acceptance, use, and application of smart card technology for physical and logical access control

- **Membership**

Over 140 individuals from more than 45 organizations

- **Recent Projects**

Comments on draft NIST SP 800-157 and SP 800-73-4

Comments on “FIPS 201 Evaluation Program Functional Requirements & Test Cases (FRTC) version 0.1.3”

*Coming Soon:* Guide Specification for Architects & Engineers for Smart Card-Based PACS Cards and Readers for Non-Government PACS

- **Council Resources**

<http://www.smartcardalliance.org/activities-councils-access-control/>



# Workshop Topics – Morning Sessions

- **Evolution of PACS to EPACS Using PIV Cards.** Discussion of how the Federal government is moving from traditional PACS to an enterprise architecture using PIV and PIV-I credentials
- **PIV in EPACS Requirements.** Overview of the threats to PACS systems and how they are mitigated by smart card-enabled authentication mechanisms and enterprise PACS security functions
- **PIV- and FICAM-Enabled Authentication Mechanisms Used in PACS.** Discussion of the various authentication mechanisms appropriate for EPACS as determined by the Federal agency local site security plan as they relate to SP 800-116
- **Implementing PIV in EPACS.** Discussion of the considerations, planning and best practices for implementing PIV In EPACS



# Workshop Topics – Afternoon Sessions

- **GSA Procurement Requirements.** Presentation of GSA requirements for EPACS procurement, including standards and guidance, Approved Products List and Certified System Engineer ICAM PACS (CSEIP) program
- **EPACS Supplier Directions Panel.** Panel of PACS suppliers discussing how the industry has responded to the Federal EPACS requirements and the new FICAM requirements for Federal APL inclusion
- **Trust Ecosystem.** Discussion of the Federal trust ecosystem and how it works to enable interoperable, high assurance identity credentials that can be used across Federal agencies
- **EPACS Implementation Considerations and Best Practices Panel.** Discussion of best practices and lessons learned from PIV and EPACS implementations



# Workshop Agenda

8:30 – 8:45	Introductions	Randy Vanderhoof, Smart Card Alliance
8:45 – 9:30	Evolution of PACS to EPACS Using PIV Cards	Tony Damalas, Stanley Security Solutions
9:30 – 10:15	PIV in EPACS Requirements	Lars Suneborn, Smart Card Alliance
10:15 – 10:30	Break	
10:30 – 11:15	PIV- and FICAM-Enabled Authentication Mechanisms Used in PACS	Bob Dulude, HID Global
11:15 – 12:00	Implementing PIV in EPACS	Kevin Kozlowski, XTEC, Inc.
12:00 – 1:00	Lunch	
1:00 – 1:45	GSA Procurement Requirements	Vince Eckert, GSA & Chi Hickey, GSA
1:45 – 2:45	EPACS Supplier Directions Panel	Moderator: Lars Suneborn, Smart Card Alliance Panelists: Stafford Mahfouz, Tyco Software House; Steve Rogers, IQ Devices; Adam Shane, AMAG Technology; Brandy Sloan, Gallagher
2:45 – 3:15	Break	
3:15 – 4:00	RF Technologies and Mobile Applications	Steve Howard, CertiPath
4:00 – 5:00	EPACS Implementation Considerations and Best Practices Panel	Moderator: Sal D'Agostino, IDmachines Panelists: Colin Doniger, DHS; Chi Hickey, GSA; Bryan Ichikawa, Deloitte; Rob Zivney, ID Technology Partners





**Randy Vanderhoof**  
**Smart Card Alliance**

[rvanderhoof@smartcardalliance.org](mailto:rvanderhoof@smartcardalliance.org)



191 Clarksville Road  
Princeton Junction, New Jersey 08550  
WWW.SMARTCARDALLIANCE.ORG