

Interagency Advisory Board

Meeting Agenda, Wednesday, February 27, 2013

1. **Opening Remarks**
2. **Discussion on Revisions Contained in Draft SP 800-63-2** (*Bill Burr, NIST*)
3. **The Objectives and Status of Modern Physical Access Working Group (MPAWG)** (*Will Morrison and J'son Tyson, MPAWG Co-Chair*)
4. **Overview of PACS Specification from the Security Industry Association (SIA) to Include All PIV Functionality** (*Rob Zivney, Chair of the SIA PIV Working Group and Vice Chair of the Standards Committee*)
5. **Closing Remarks**



OSDP

Open Supervised Device Protocol A SIA PACS Specification w/ PIV Support

Rob Zivney

Identification Technology Partners

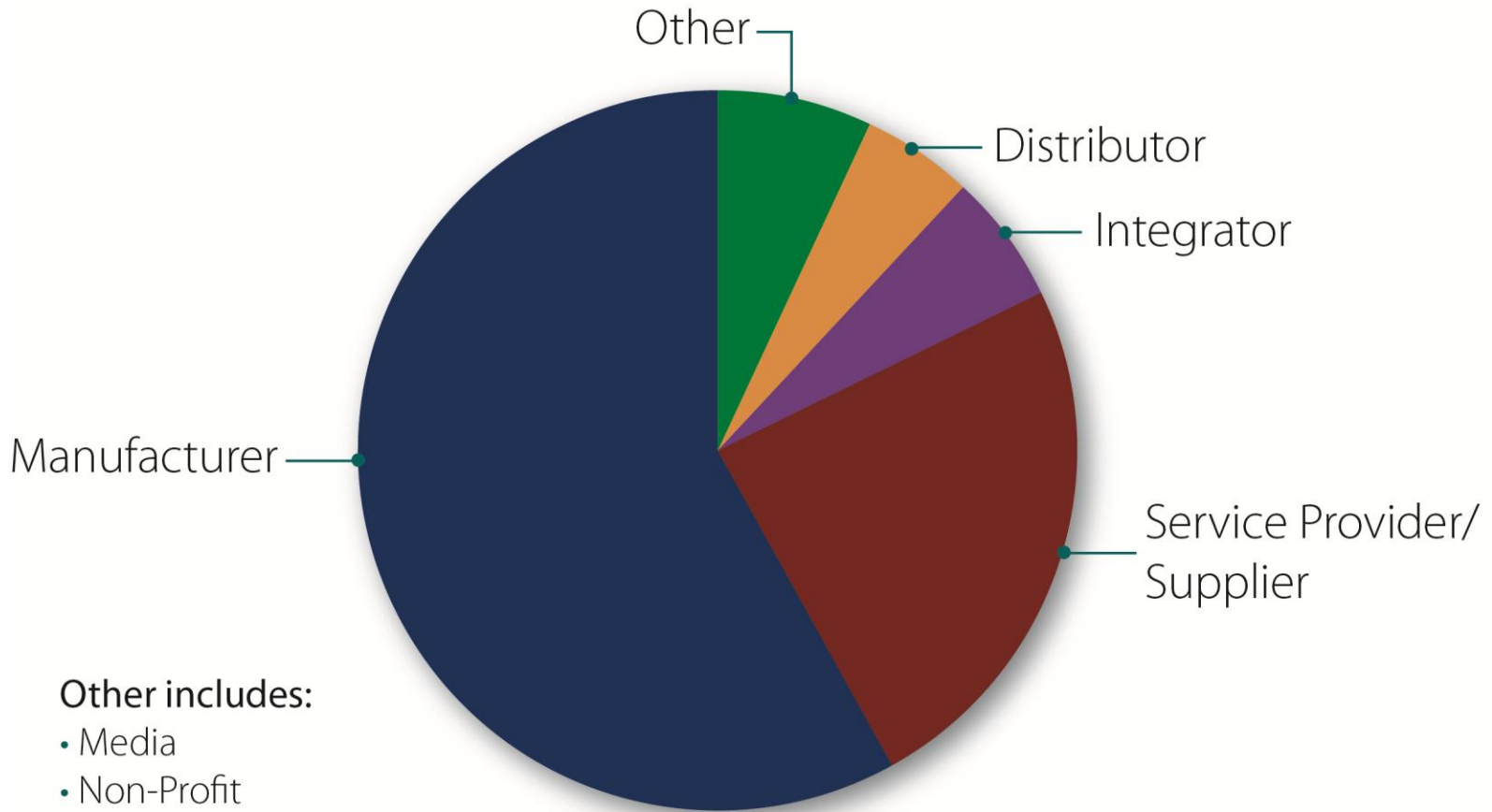
Chair, SIA PIV Working Group; Vice Chair, SIA Standards

Feb 27, 2013



- Based in Washington, D.C.
 - On the Metro Red Line – Silver Spring
- Trade association with 412 members
- Represents all products and services in the electronic security industry

Our Members



Other includes:

- Media
- Non-Profit
- Government (non-U.S.)

Background

- SIA is an ANSI Standards Development Organization
- New Standards Roadmap 2.0
 - Allows for Fast Track Processes
- SIA Standards referenced in FICAM
 - OSIPS (Open Systems Interoperability & Performance Standards)
 - Industry believe OSDP is a more practical approach towards PACS, and will more actionably meet the demands of FICAM
- OSDP Began as a Specification
- OSDP Is Embraced by Industry
- OSDP Has a Path to Become an ANSI Standard

Formal Name & Description

- *Open Supervised Device Protocol with Data Security Extension*
 - Body with Appendices (Profiles)
- A Communications Protocol for Interfacing One or More Peripheral Devices to a Control Panel
 - Based on a Message Structure
- Provides Secure Communications
 - Between the Reader and the Controller
 - Supports Authentication of a Credential
 - Such as PIV/PIV-I

Protocol Details

- Specifies Protocol Implementation of a 2 Wire, Multi-Dropped, Serial Communications Channel
 - Such as RS-485
- Extensible to Allow Transport over Other Media
 - Such as TCP/IP (Collecting Industry Input Now)
- Secure Channel Support
 - Encryption Method Based on Global Platform, Secure Channel protocol 03 for Reader to Controller
 - Card Edge to Reader is Out of Scope

Acceptance & Adoption

- Development Led by Mercury Security, HID Global and Codebench
 - Turned Over To and Accepted by SIA for Ongoing Maintenance
 - Consensus Adoption by SIA Access Control & Identity Subcommittee
 - OSDP WG Formed and Actively Leading Enhancement Process
- Version 1.0 Implemented by Many Manufacturers NOW!
 - More Underway
 - Referenced In Product Data Sheets
- ISC West 2012 Demonstration of OSDP Version 1.0
 - Siemens & Mercury Controllers
 - HID and Identive Readers
 - All Interoperable
- Formal Release October 2012 of Version 2.1 for RS-485
 - Version 2.1 is Minimum Basis for PIV and FICAM Implementations
 - Profile 1 (Appendix) for Smart Cards Contemplates PIV & FICAM
 - Other Profiles Being Developed
 - Perhaps Other Types of Readers or Digital Displays, etc.

Benefits

- Backwards Compatibility for Traditional PACS Communications
 - Wiegand (a SIA Standard)
- Adds Bi-Directional Communications
 - Popular Wiegand is Only One Way
- Remote Firmware Update Support
- Read/Write Interaction with Cards
- Responsive to FIPS 201-1 Requirements
 - Monitoring Ongoing Government & Non-Government Specifications
- Paves Way for Smartcard, PKI, and Mobile
- Pathway to ANSI
- Solid Foundation for GSA APL Testing
 - SIA Standards Development is “*OPEN*” to All
- Available from SIA
 - “*The Authority for PACS*”

Thank You

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