Industry perspective on FIPS 201-2 and the relation to standards and testing
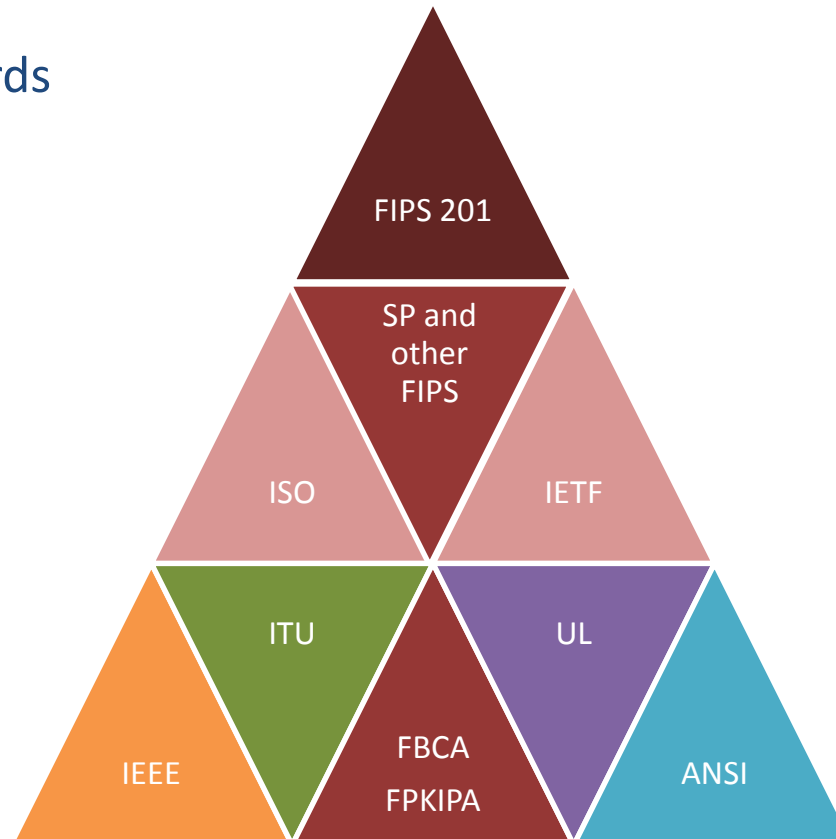
Sal D'Agostino

CEO

IDmachines LLC

Vice Chair, Security Industry Association PIV Working Group

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FIPS 201
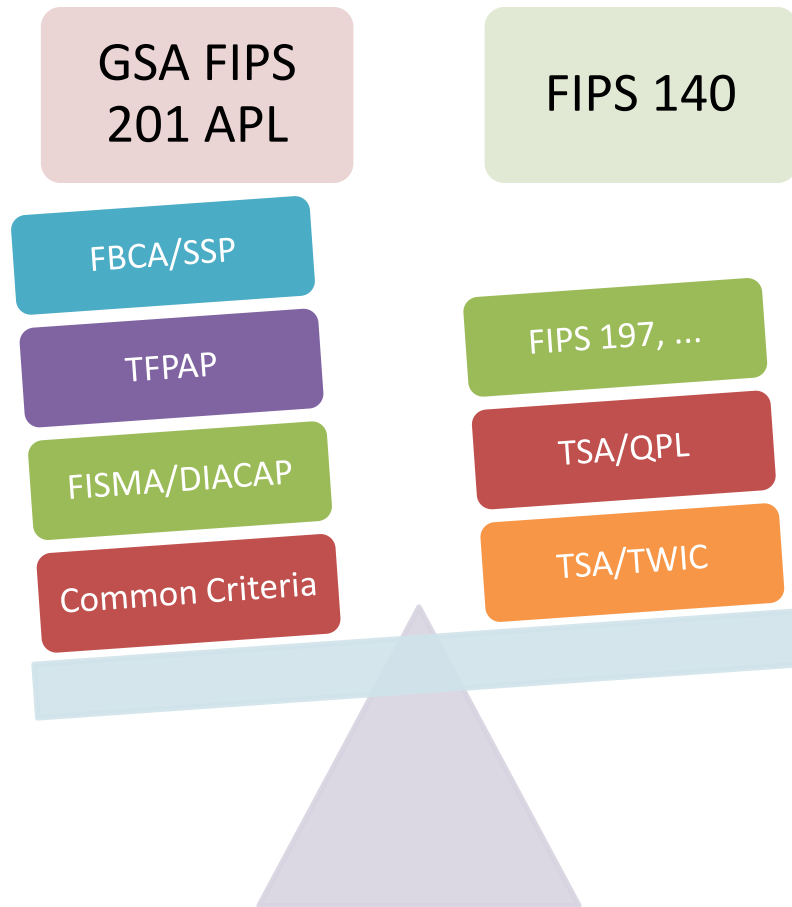
- Built on standards

- NIST appreciates this and industry gets it
- Significant effort and coordination required

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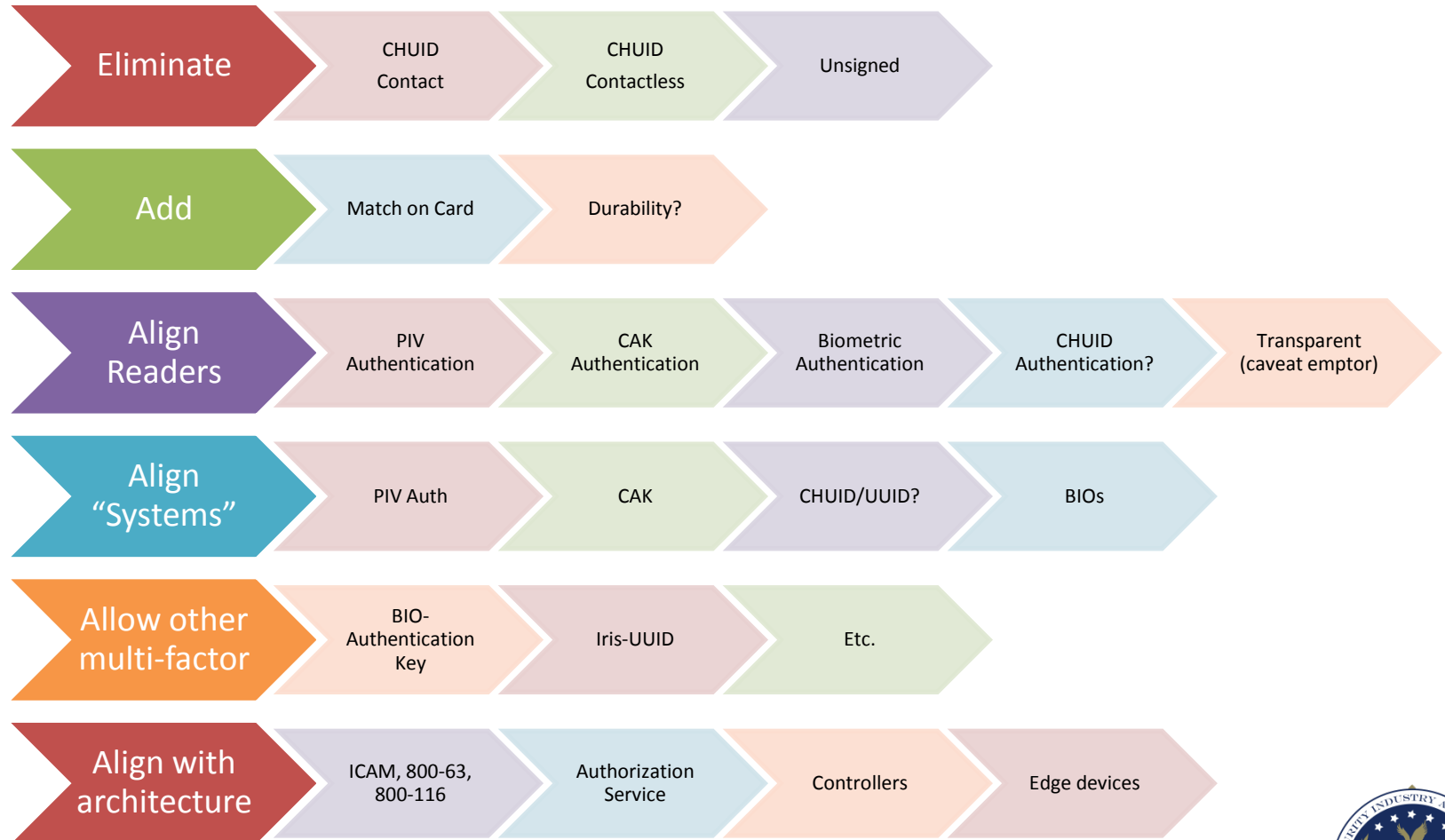
Testing 1, 2, 3....

Testing of identity, credential and access control systems should be more efficient, less expensive and more effective than at present.
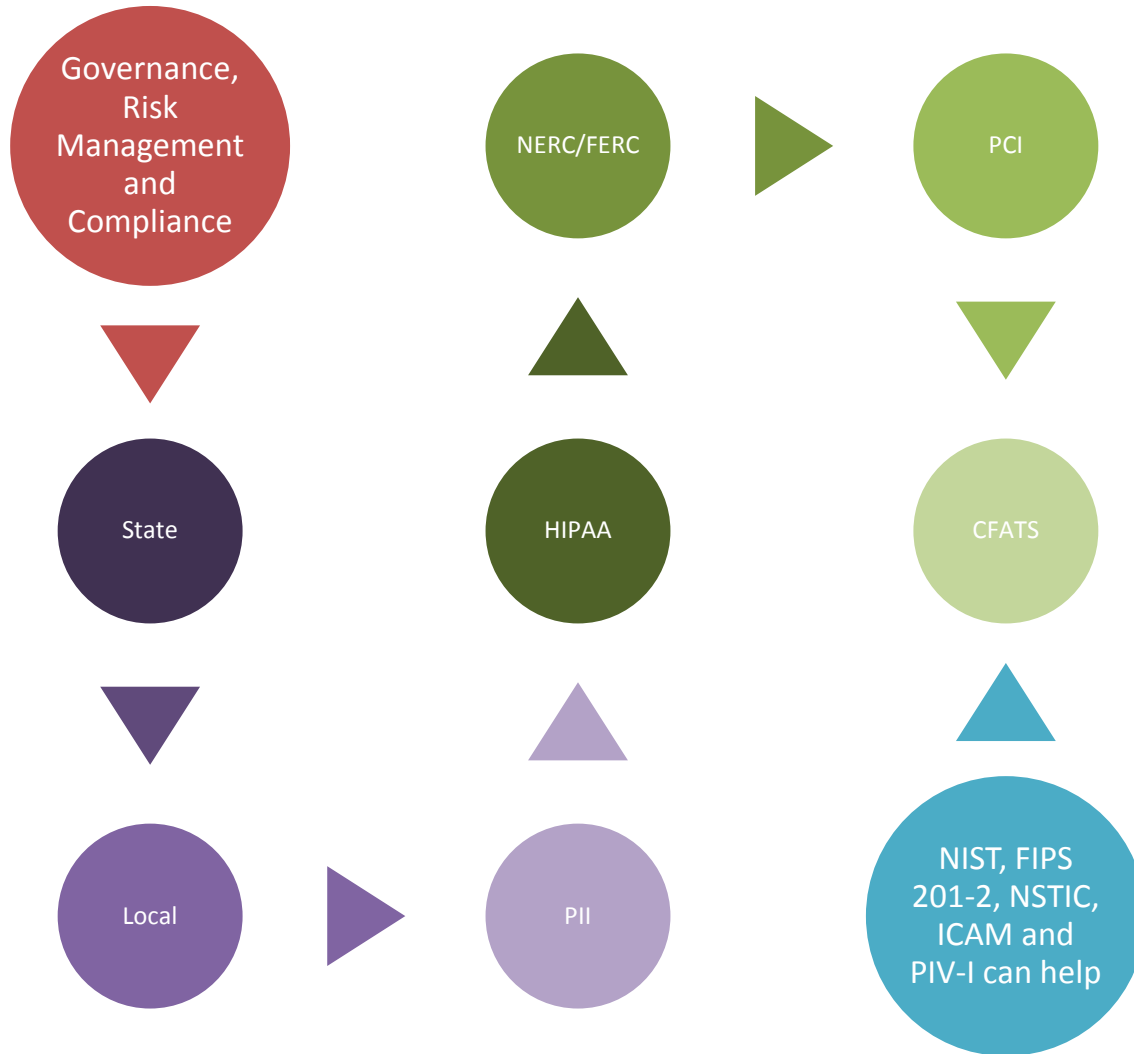
GSA FIPS 201 APL

FIPS 140

FBCA/SSP

TFPAP

FISMA/DIACAP

Common Criteria

FIPS 197, ...

TSA/QPL

TSA/TWIC

GSA FIPS 201 APL

Eliminate	CHUID Contact	CHUID Contactless	Unsigned		
Add	Match on Card	Durability?			
Align Readers	PIV Authentication	CAK Authentication	Biometric Authentication	CHUID Authentication?	Transparent (caveat emptor)
Align "Systems"	PIV Auth	CAK	CHUID/UUID?	BIOs	
Allow other multi-factor	BIO-Authentication Key	Iris-UUID	Etc.		
Align with architecture	ICAM, 800-63, 800-116	Authorization Service	Controllers	Edge devices	

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Non-Federal Testing and Compliance

Governance, Risk Management and Compliance

NERC/FERC

PCI

State

HIPAA

CFATS

Local

PII

NIST, FIPS 201-2, NSTIC, ICAM and PIV-I can help

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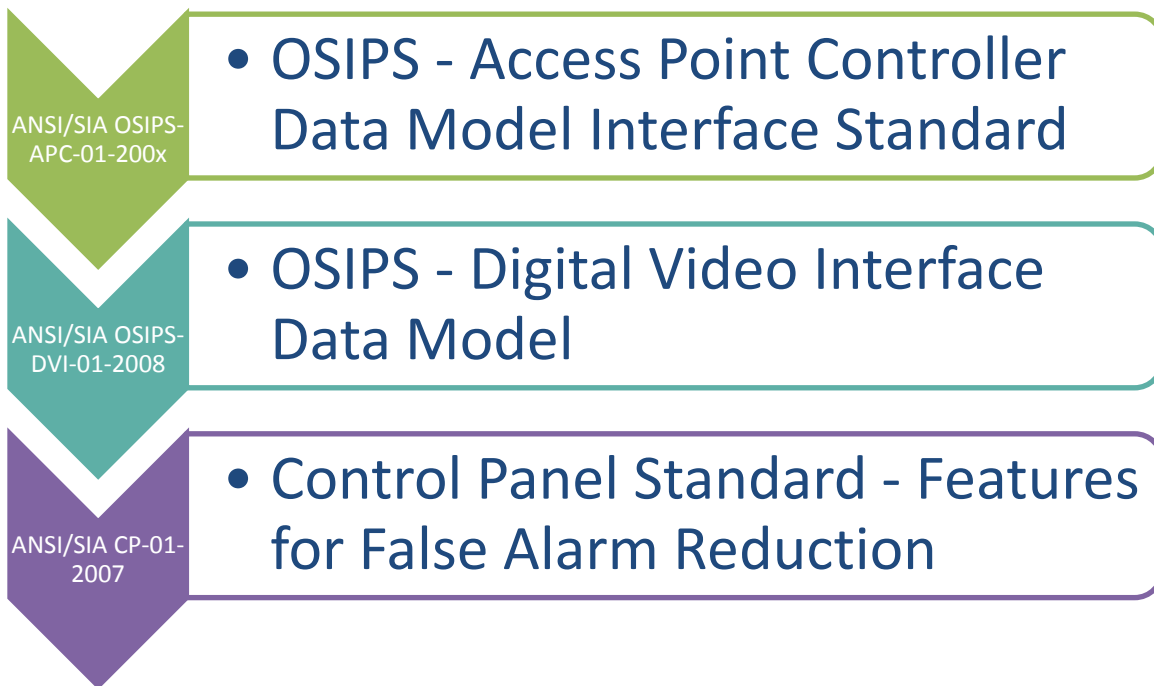
NIST FIPS 201-2 Workshop

SIA Education and Standards efforts

THE ROLES OF AUTHENTICATION, AUTHORIZATION & CRYPTOGRAPHY IN EXPANDING SECURITY INDUSTRY TECHNOLOGY

SIA

Quarterly Technical Update December 2005

ANSI/SIA OSIPS-APC-01-200x
- OSIPS - Access Point Controller Data Model Interface Standard

ANSI/SIA OSIPS-DVI-01-2008
- OSIPS - Digital Video Interface Data Model

ANSI/SIA CP-01-2007
- Control Panel Standard - Features for False Alarm Reduction

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Summary

- The FIPS 201 evolution must continue to be collaborative among government, industry and other standards and testing organizations.

- Use this revision as opportunity to align and leverage FIPS 201-2 with full complex of standards and testing regimes

- Make FIPS 201-2 flexible and allow Special Publications and other standards to adapt and support Personal Identity Verification

- Flexible does not mean optional.

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