

PAIWG++ Meeting #1

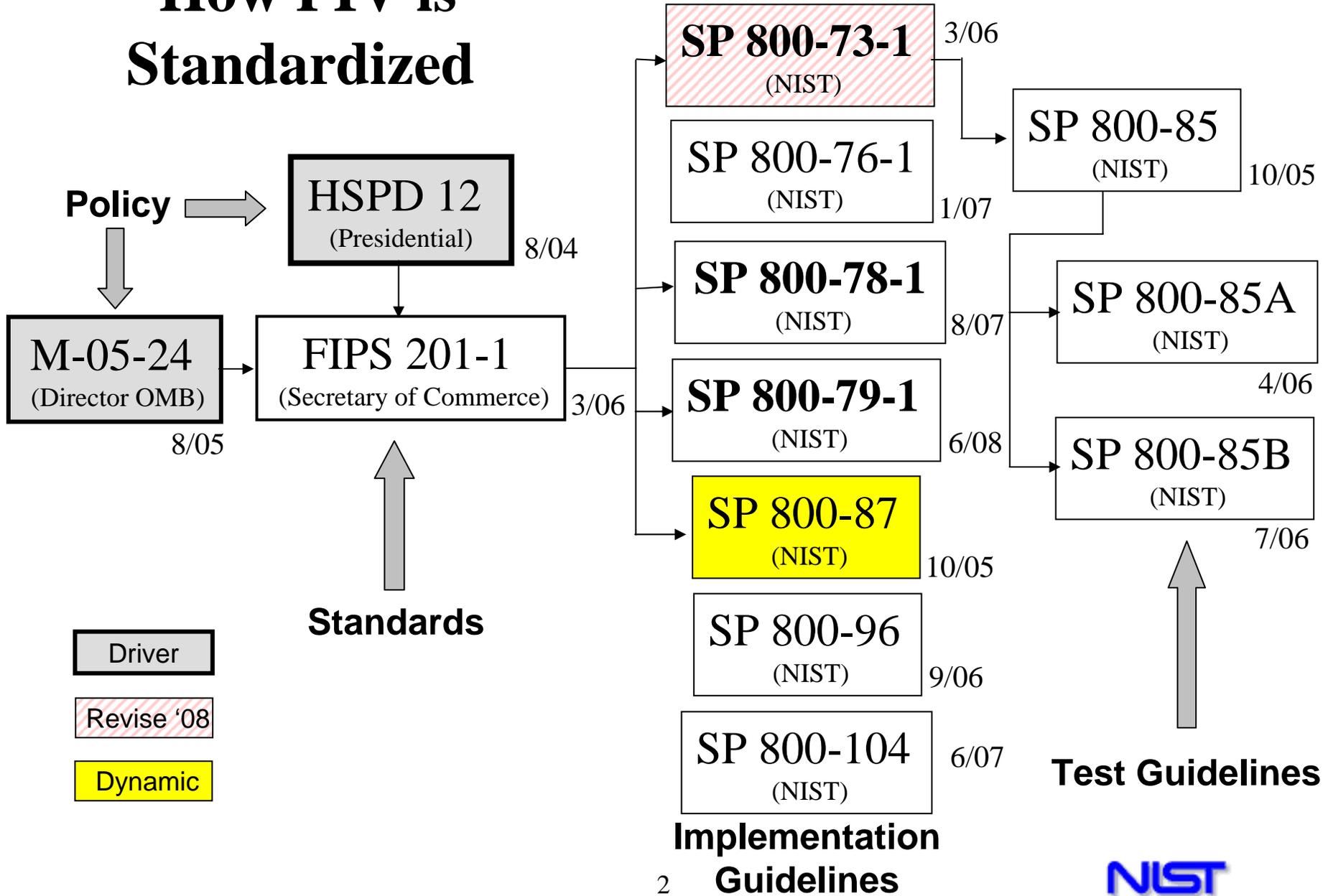
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How PIV is Standardized



What NIST documents overlap PAIWG++ concerns?

The answer depends on the recommendations.

Cryptographic Soundness & Card Authentication Key

FIPS 201, SP800-73, SP800-78, SP800-116

SP800-85 (A&B, & test tools), SP800-79, PACS 2.2?

PIV Identifier Model

FIPS 201, SP800-73, SP800-116, SP800-76

SP800-85B, (GSA) BAE, SP800-87? (FPKIPA) CP's?

These are basic, there are probably others!

Starting Thoughts

Replace the FASC-N, replace its two uses:

- Identifying the credential and cardholder

- Linking five PIV objects together

Leverage existing identifier schemes

- FASC-N, UEID, IPv6, EUI, OpenID, OID, UUID,...

Utilize familiar, standard representations

- E.g., ASN.1 with BER-TLV encoding

Allow fixed & variable length identifiers

- Fixed: FASC-N, IPv6; Variable: OpenID, OID

An Identity Domain Registry?

A *Registry* is a published, numbered list of entries.

If each entry names an Identity Domain, then...

...(entryNumber, domainIdentifier) is unique.

Example:

(34.4.117.10.1, <a 25 byte FASC-N>)

If the Domains are large (e.g., “IPv6”, “OpenID”),
the registry will be small & change infrequently.

Each entry includes its governing authority.