

How Global ID Programs Benefit From National and International Standards

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WHAT IS A STANDARD?





A standard is a document that provides requirements, specifications, guidelines or characteristics that can be used consistently to ensure that materials, products, processes and services are **fit for their purpose**.



In simple terms, a standard is a document that provides rules or guidelines to **achieve order** in a given context.



Standards are published documents that establish specifications and procedures designed to **maximize the reliability** of the materials, products, methods, and/or services people use every day



A standard is a document, **established by consensus** that provides rules, guidelines or characteristics for activities or their results

How **Can** Global ID Programs Benefit From (and **Influence**) National and International Standards?

Benefits From...

➤ Do not reinvent the wheel!

There is a wealth of ID standards out there

➤ Requirements with less ambiguities

“I want a product compatible with...”

➤ Security and Certifications

Labs and certification authorities actually exist

...But Influence Too

- Actually participating to the standard making process

Yes, it is actually possible to participate

- Providing clear and sound business cases

Real needs and not theoretical projects

- Proposing tested and feasible solutions and technologies

Propose for standardization what exists and works

What's Going On in the Standard World for the ID Industry?



New Standards for the ID industry

- ISO/IEC 19286 - ICC protocols and services ensuring privacy
- ISO/IEC 18328 ICC-managed Devices
- New Authentication Protocols for the ID industry are entering the International Standardization Process: PLAID, PACE
- Not to mention what is happening in the Mobile Space and Cloud Computing (Chip to Cloud)

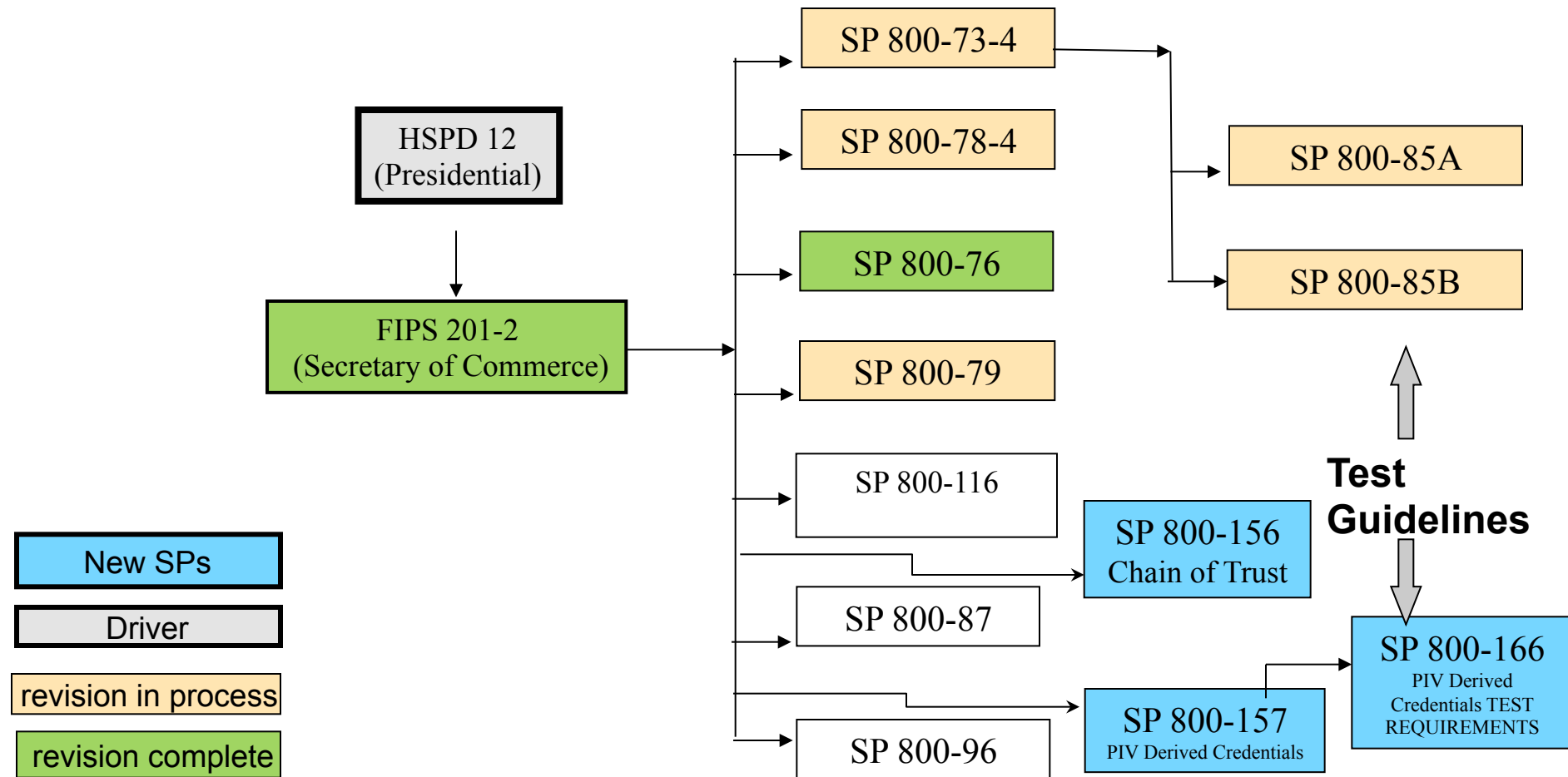
Let's Look now at a practical Example



FIPS 201 as Global ID program

- The PIV card is the US Federal Government identity token
- But it is also something more: PIV-I, Derived Credentials and more
- And even outside the US this program is looked at with great interest

HSPD #12 - FIPS 201/PIV



FIPS 201/PIV and ISO Standards

- ISO/IEC 7816
- ISO/IEC 14443
- ISO/IEC 7810
- ISO/IEC 10373
- ISO/IEC 8824
- ISO/IEC 8825

When Benefit and Influence Meet

- INCITS 504 (aka GICS)

A platform for PIV, PIV-I, CAC and even more

- ISO/IEC 24727

Interoperability of all of the above and more

- Global Platform (GP)

Their new ISO Framework is motivated and somewhat based on INCITS 504...

Thank you

Questions?

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