

GlobalPlatform's ISO Framework for Government Issued Secure ID's

Kevin Gillick
Executive Director
GlobalPlatform
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GlobalPlatform Positioning

GLOBALPLATFORM

GlobalPlatform is *the* standard for managing applications on secure chip technology



TRUSTED EXECUTION
ENVIRONMENT



MESSAGING



SECURE ELEMENT

Across several market sectors and in converging sectors



PREMIUM
CONTENT



FINANCIAL



TELECOM



GOVERNMENT



AUTOMOTIVE



HEALTHCARE



RETAIL



TRANSIT

Value Proposition of GlobalPlatform Specifications

GLOBALPLATFORM

- With international standards and a defined infrastructure from GlobalPlatform already available, governments only need to establish application standards for their ID programs
- GlobalPlatform infrastructure proposes a set of ready-to-use solutions for managing an ID application:
 - On-card application management
 - Tools for issuance, post issuance and key management
 - Messaging specification for standard data exchange with systems in the issuance (and post issuance) flow
 - Common personalization approach for ID card issuance



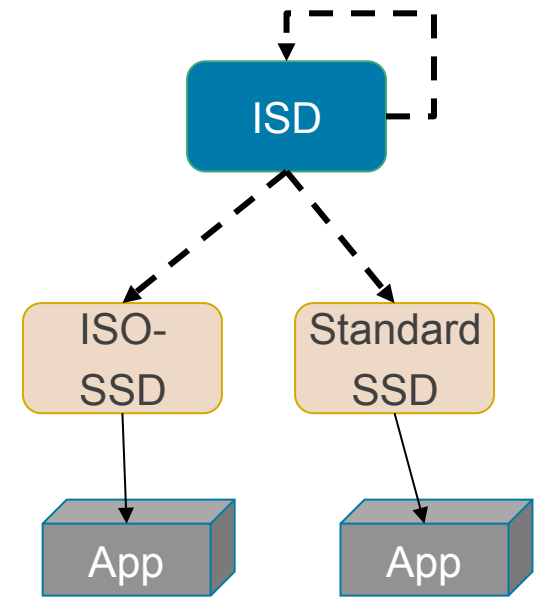
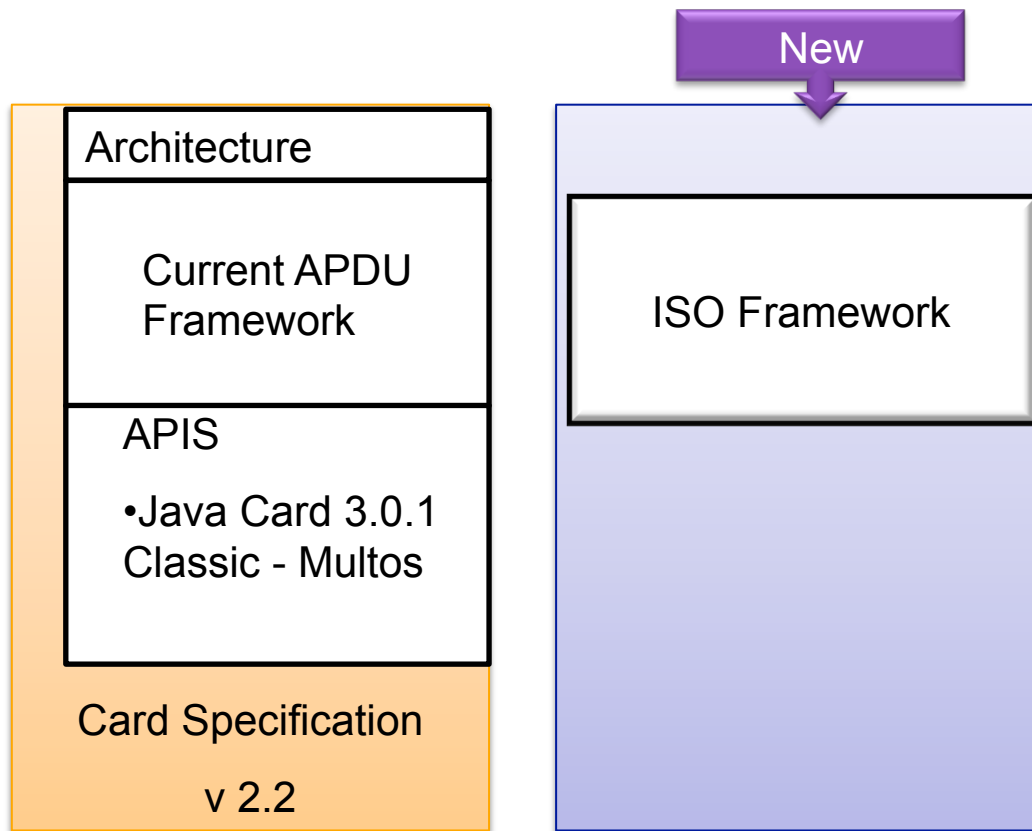
- GlobalPlatform's security model and architecture is stable for 15 years
- Around 10+ billion cards have been deployed using the current APDU framework
 - Banking card (defined in EMVCo)
 - Cards including USIM (defined in ETSI)
- Applications from different markets, converging onto shared platforms, has an impact as not all markets have the same targets / drivers
 - Both banking and telco are investing in mobile
 - Near field communication (NFC)
 - Over the air (OTA)
 - Interface with the rich operating system (OS)
 - No value to move to latest ISO versions
 - Government
 - Crypto mandates and privacy mandates
 - Lot of evolution of ISO 7816 and 24727 technology
- Need to ease convergence for users of APDU and ISO Frameworks



GlobalPlatform Card: The ISO Framework

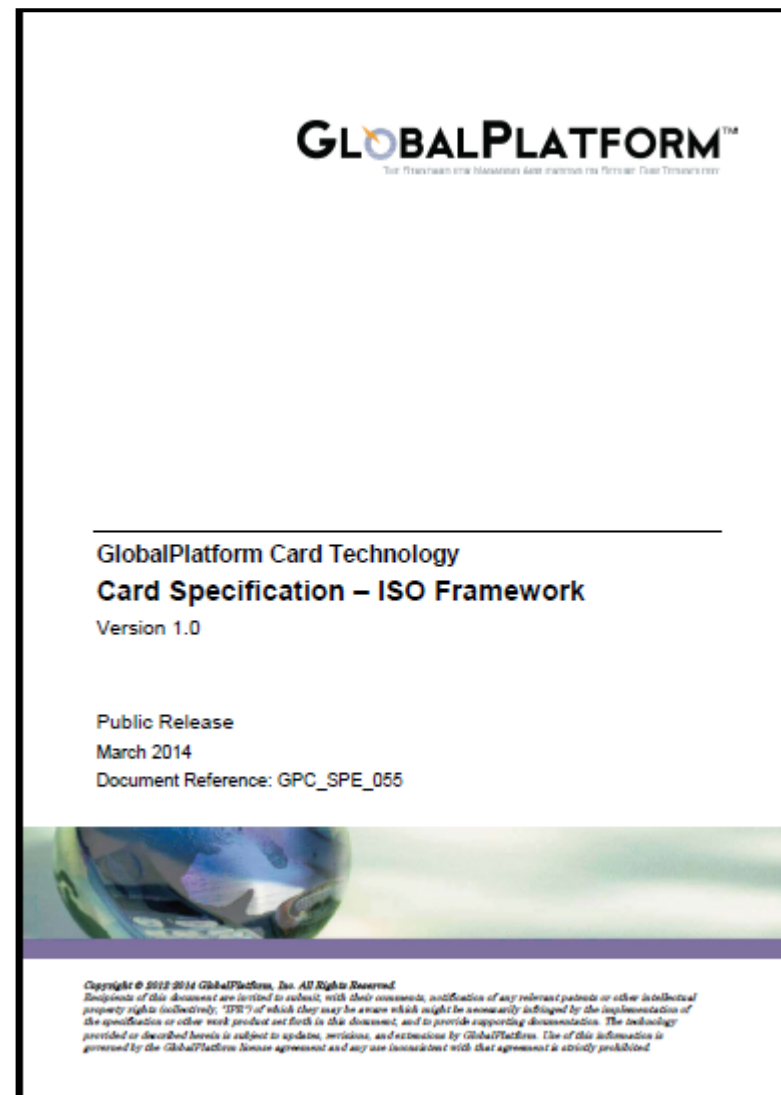
The ISO Framework

- The ISO Framework is a way to implement all GlobalPlatform features in any smart card OS
 - No impact on JavaCard APIs published in Card Specification v2.0



A GlobalPlatform compliant card can support both frameworks - Classic and ISO

- Result of intense collaboration between :
 - United States (NIST)
 - Japan (NICSS)
 - ISO WG4 Groups
- Available for download from the GlobalPlatform public website



- Aligned with latest ISO standards:
 - ISO/IEC 7816-4 and -9 for APDUs
 - ISO/IEC 7816-13 to Annex B for card content management
 - ISO/IEC 24727-2 for data objects
- Aligned with the national US GICS (Generic Identity Command Set) standard:
 - Part 1: Card Application Command Set
 - Part 2: Card Administrative Command Set
- ISO-SCP03 (AES based secure channel) is supported
- Extended length APDUs are supported



Up Next??

Privacy Framework Requirements Released

GLOBALPLATFORM

- For use by anyone developing to GlobalPlatform Specifications
- Useful for defining additional features to enable privacy sensitive applications on GlobalPlatform cards
- Government agencies benefit by knowing what can be expected from GlobalPlatform cards in the future in respect to privacy



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The Standard for Managing Applications on Secure Chip Technology



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Made Simple Guides

GlobalPlatform has launched a series of guides that aim to explain in simple terms the technology developments that it is working on and how these will benefit the industry.

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Technical Priorities

- Government Task Force
- Internet-Of-Things Task Force
- Japan Task Force
- Mobile Task Force
- Premium Content Task Force
- Security Task Force
- Card Committee
- Device Committee
- Systems Committee

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GlobalPlatform News

- 09 Oct 14 - Executive Newsletter
- 23 Sep 14 - Device Compliance Program Expanded For Mobile Services
- 08 Sep 14 - GlobalPlatform Brings Training Sessions to Paris
- 02 Sep 14 - GlobalPlatform appoints new Systems Committee Chair
- More news

Global Events & Discounts

Recent Updates/Latest Content



GlobalPlatform to host inaugural half day EMV Seminar in Orlando, Florida on 9 December. Delegates will learn how GlobalPlatform Specifications can be used to support EMV payment deployments on both card and mobile platforms. **Learn more and register now.**



Speakers from the GlobalPlatform TEE event 2014 share their thoughts on this advancing landscape. **View the latest blogs.**



GlobalPlatform is searching for a Technical Program Manager to assist in the growth and support of GlobalPlatform Specifications and membership in North America. **Read more.**



Read GlobalPlatform's paper 'Secure Solution for Deploying Value Added Mobile Services' which

GlobalPlatform Compliance Program



The compliance program evaluates the functional behavior of a product against the requirements outlined in GlobalPlatform Configurations and associated specifications

to achieve market interoperability. **Find out more** about the latest updates, qualified test tools and approved products.

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GlobalPlatform @GlobalPlatform_ 17 Oct

Attendance is encouraged for GlobalPlatform's All-Member meeting, taking place on Thursday, 6 November bit.ly/1mQ8HWu



GlobalPlatform @GlobalPlatform_ 17 Oct

Come along to GlobalPlatform's All-Member meeting, taking place on

GlobalPlatform Members

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Thank you!
