

GlobalPlatform – Addressing Unique Security Challenges through Standardization

THE THIRD

International Cryptographic
Module Conference **ICMC15**

November 4-6 ■ Hilton Washington, D.C. ■ Rockville, Maryland



@GlobalPlatform_

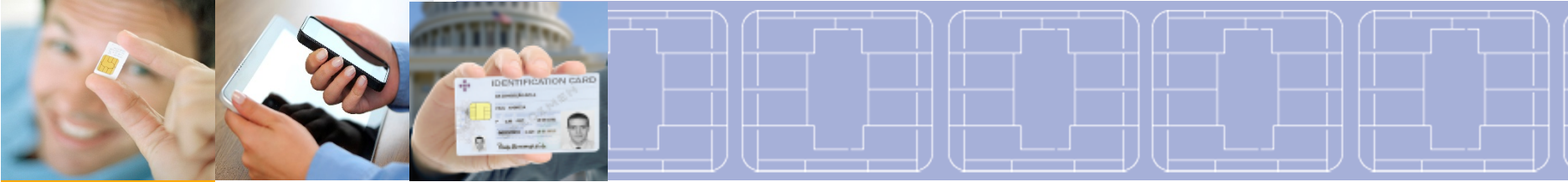


www.linkedin.com/company/globalplatform



GlobalPlatformTV

- GlobalPlatform and Identity Task Force Introduction
 - Kevin Gillick, Executive Director, GlobalPlatform
- Introduction to the Secure Element (SE) and Trusted Execution Environment (TEE)
 - Hank Chavers, Technical Program Manager, GlobalPlatform
- Mobile ID and Derived Credentials on Secure Components
 - Alexander Summerer, Technology Consultant, G&D
- GlobalPlatform for the Internet-of-Things
 - Hank Chavers, Technical Program Manager, GlobalPlatform
 - *Coffee Break at mid-point of this topic*
- Introduction to GlobalPlatform Compliance and Certification
 - Hank Chavers, Technical Program Manager, GlobalPlatform
- Certification and Composition Model
 - Steve Weymann, Senior Security Engineer, Infogard
- Open Discussion and Q&A



GlobalPlatform and Identity Task Force Introduction

Kevin Gillick
Executive Director



International Cryptographic Module Conference
Rockville, Maryland
4 November 2015



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GlobalPlatformTV

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

- GlobalPlatform works across industries to identify, develop and publish specifications which facilitate the secure and interoperable deployment and management of multiple embedded applications on secure chip technology
- GlobalPlatform Specifications enable trusted end-to-end solutions which **serve multiple actors and support several business models**



- Member-driven organization to define technology standards for cards, devices and systems and create foundation for future growth.
- License royalty-free card, device, and systems specifications.
- Compliance Program tools to verify card, device, systems compliance to GlobalPlatform technology.
- Foster adoption of secure chip technology standards and implementations across industries.

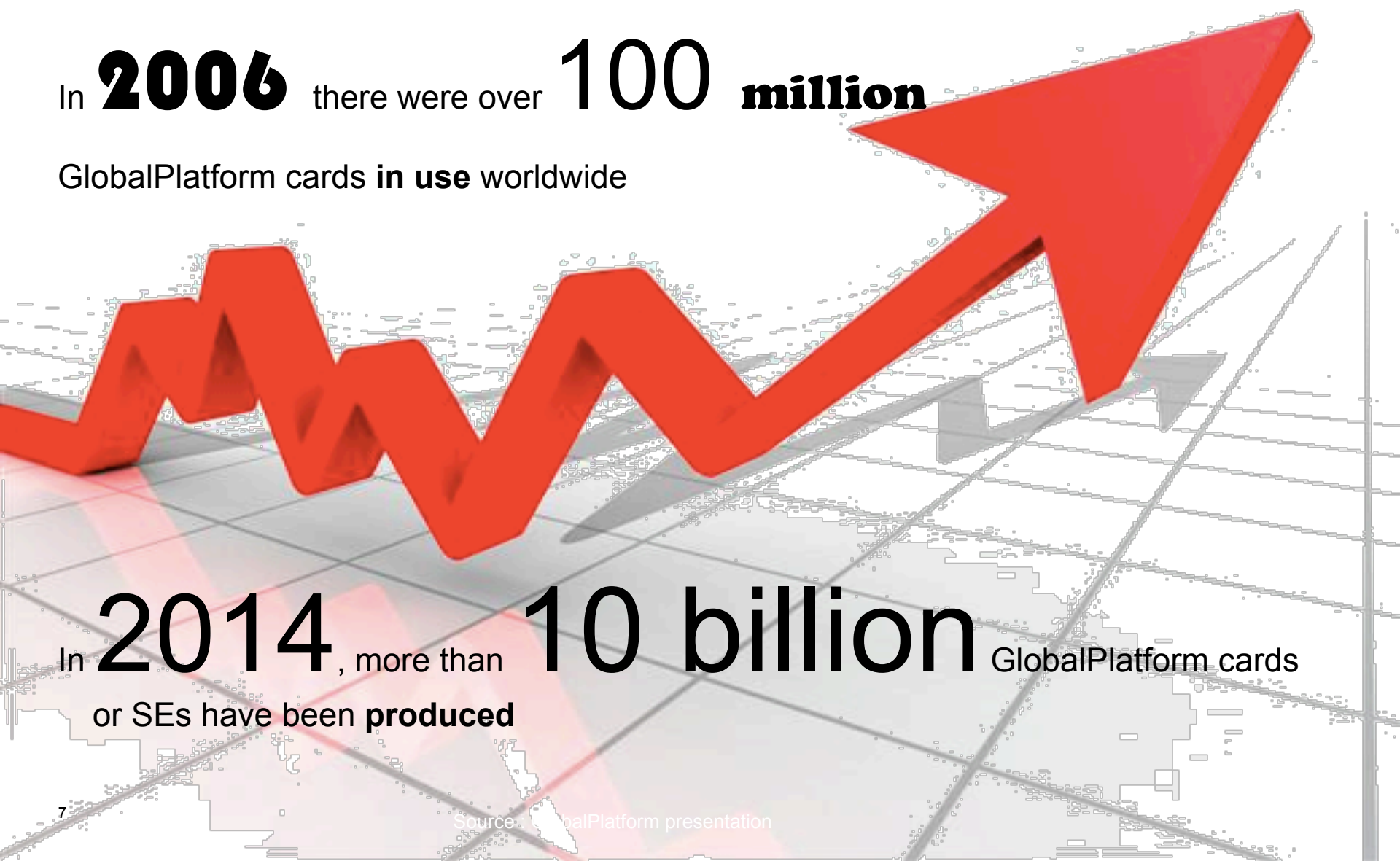


Strong Rate of Growth

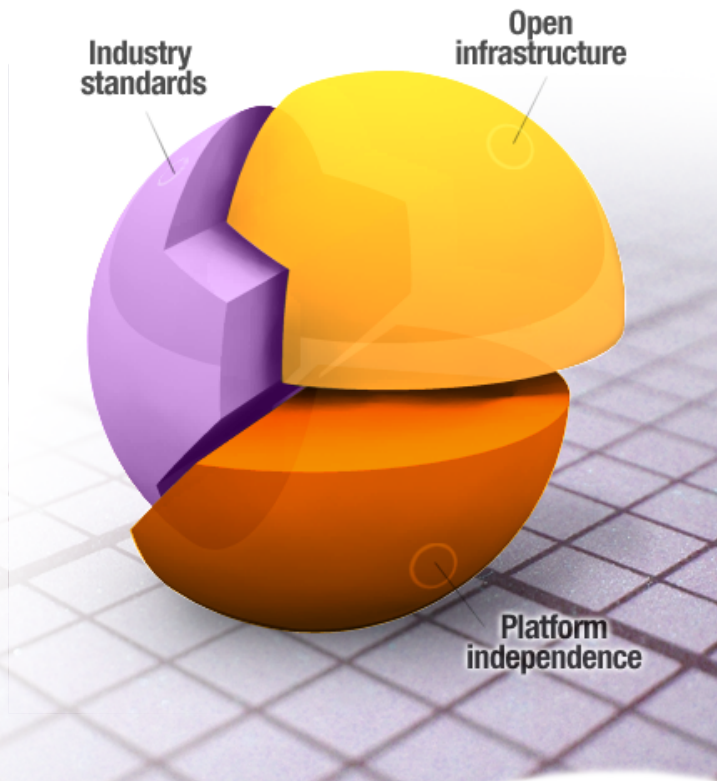
GLOBALPLATFORM®

In **2006** there were over **100 million**

GlobalPlatform cards **in use** worldwide



In **2014**, more than **10 billion** GlobalPlatform cards
or SEs have been **produced**



What is the output of GlobalPlatform?

Specifications – technical industry guidelines

Configurations – applying the guidelines to different market sectors

Security Certifications – streamlining security requirements & testing

Industry Compliance Program – confirming a product's functionality aligns to GlobalPlatform technology

Educating the Industry – white papers & technical documents

Workshops – specification training & educational

GlobalPlatform Members

GLOBALPLATFORM®



Our Collaborative Industry Partners

GLOBALPLATFORM®



Secure Content Storage Association

- Task Forces are how GlobalPlatform explores:
 - It's role within a particular market sector
 - It's relevance to a specific application or use case
- Task forces provide a platform for strategic discussion and collaboration:
 - Between members of GlobalPlatform
 - With liaison partners and other industry bodies
 - With private and public sector enterprises
- Today, GlobalPlatform has five such Task Forces focusing on:
 - Mobile
 - Internet-of Things
 - Premium Content Protection
 - Security
 - **Identity**



- Since 2006, the previous 'Government' Task Force focus was on:
 - Long-term needs of governments engaged in large-scale ID and eID deployments
 - Government-to-citizen and government-to-employee applications
- Some significant contributions included:
 - ISO Framework
 - Privacy Framework
- Strong desire from members to incorporate identity requirements from all sectors, both public and private
- Expanding our view of Identity will lead us into rich discussion topics including how identity will evolve across platforms (card, SE, mobile, IoT, wearables) and the critical role of GlobalPlatform in this evolution

The scope of activities encompasses Identity Management:

- Government:
 - Address the long-term needs of governments engaged in large-scale ID and e-ID deployments
 - Government-to-employee and government-to-citizen applications.
- Enterprise:
 - Determine GlobalPlatform's role in addressing the long-term needs of Enterprises in e-ID deployments for their employees
 - When the identity is issued directly by the enterprise
 - When the identity is hosted on an employee device, as in bring your own device (BYOD)
- Consumer:
 - Determine GlobalPlatform's role in addressing the long-term needs of consumer identity to consumer services
 - With respect to consumer centric e-ID models
 - With respect to bring your own credential (BYOC) models

- Evangelize GlobalPlatform's offering to the identity market, external to the organization
- Analyze, identify and position business requirements relating to identity, and specifically how GlobalPlatform Specifications can be advanced to encourage developers to capitalize on the trusted execution environment (TEE) and secure elements' (SE) ability to host secure identity services
- Analyze identity requirements within the IoT, M2M ecosystems and on wearables that utilize GlobalPlatform technologies
- Support further development of GlobalPlatform technology by the Technical Committees by providing input related to identity
- Liaise with external identity-related organizations on how GlobalPlatform technologies (SE, TEE, etc.) can fulfil the security requirements for the provision of strong identity



The Standard for Managing Applications on Secure Chip Technology

Download the Latest Specs

- > Card
- > Device
- > Systems
- > Specs under public review

Become a Member

- > Influence specifications development
- > Enhance your global industry positioning
- > Build industry relationships

[Join Now >](#)

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.

[Read More >](#)

Technical Priorities

- > Identity 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

Enter Email Address

OK

I want to receive specification updates

GlobalPlatform News

- > 07 Oct 15 - Executive Director Newsletter
- > 23 Sep 15 - New GlobalPlatform White Paper
Explores the Value of the Trusted Execution Environment to Premium Content Protection
- > 03 Sep 15 - ALi Corporation Joins GlobalPlatform as an Observer Member
- > 01 Sep 15 - ITSO Limited Becomes GlobalPlatform Member
- > More news

[Global Events & Discounts](#)

Recent Updates/Latest Content

The GlobalPlatform TEE Seminar Begins in:

0

Hours

0

Minutes

0

Seconds



REGISTER NOW FOR GLOBALPLATFORM'S THIRD ANNUAL TEE CONFERENCE AND APPLICATION DEVELOPERS WORKSHOP. There's still time to reserve a place at the October sessions; interested parties are encouraged to **reserve your place now** to ensure you don't miss out!



Thank you!
