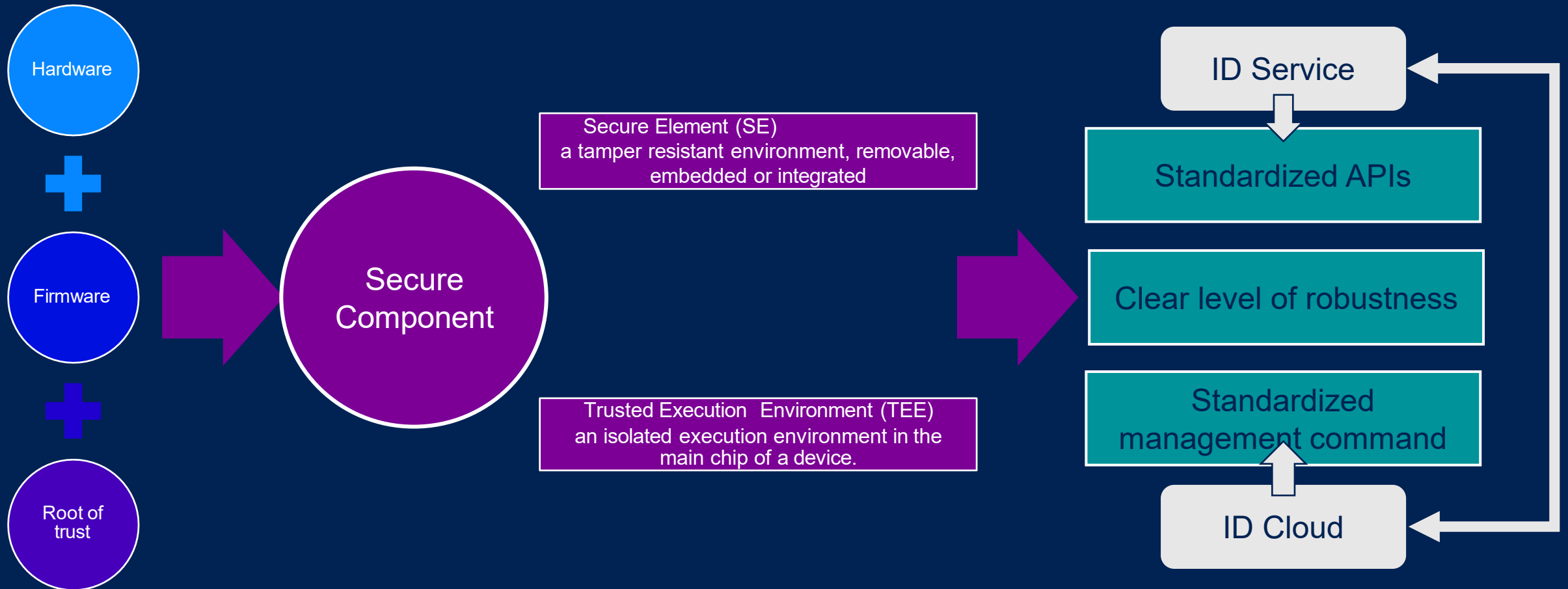




# Different deployment models for eID Wallets with GlobalPlatform

April 26 2023

# Standardizing Secure Component Technologies



Provide clear foundation for Service providers to develop, deploy and manage eID services

# Answering to Mass Market Volume

GlobalPlatform Specifications, which are regarded as the industry standard for trusted end-to-end secure deployment and management solutions, offer several features that, if properly leveraged, address the privacy and security concerns



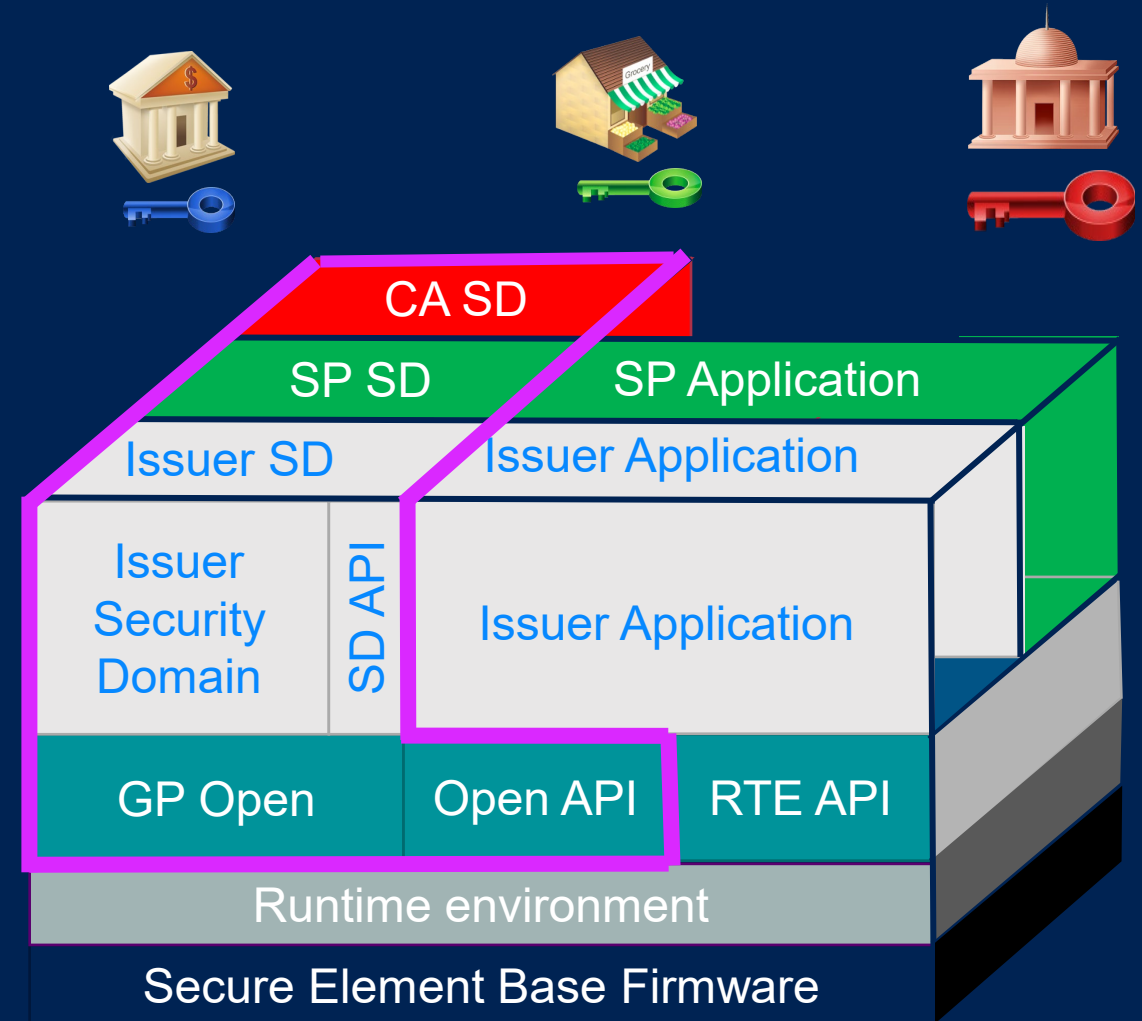
Over 67+ billion  
GlobalPlatform certified SEs  
are already live in the market

More than 1 billion TEE-  
enabled processors are  
shipped per quarter

A SE is a **tamper-resistant** platform capable of securely **hosting applications** and their confidential and cryptographic data (for example cryptographic keys) **in accordance with the rules** and security requirements set by **well-identified trusted authorities**

SEs are an evolution of the traditional smart cards format, which have been enhanced to suit the needs of an increasingly digitalized world, such as smartphones, tablets, set top boxes, wearables, connected cars, and other internet of things (IoT) devices

A GlobalPlatform SE is a standardized SE (commands, application APIs, behavior, production flow, management, ...) that can be functionally tested and securely certified



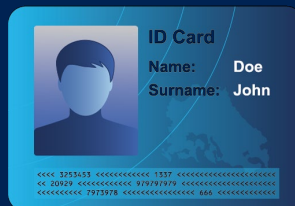
+ SAM

SIM

eSE



GlobalPlatform Secure Element Technology



# A SE within a Smartphone

is used in various use case today

- Hardening of the platform (secure boot, Key storage, credential protection, ...)
- Biometrics (template storage, on SE verification, ...)
- Contactless transactions \*
- Provide security services to application
- Encrypt data for backend systems

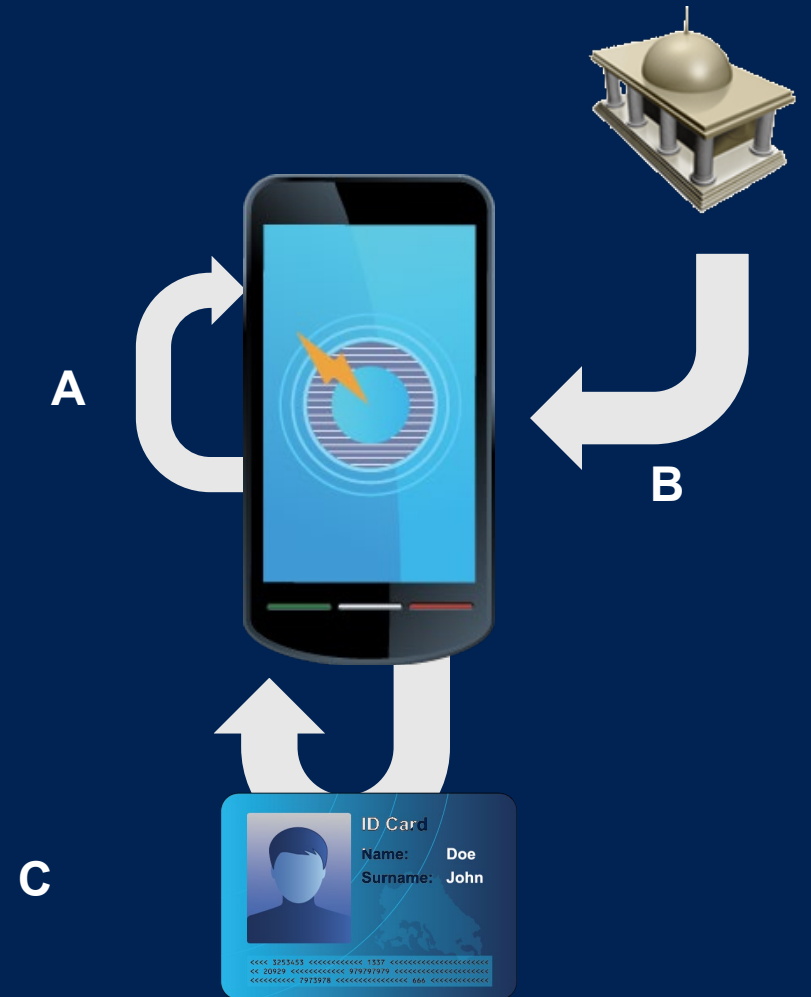


# Secure element already used in various Credential management

A Mobile ID is implemented as an application in a mobile device; the application can be used to perform local or remote identification, authentication, and authorization.

A Mobile ID application typically stores personal information, passwords, and cryptographic keys.

- A - The Mobile ID can be created by generating the identification credentials in the mobile device directly,
- B - The Mobile ID can be created by generating the identification credentials in a backend system and downloading the identification credentials remotely to the mobile device.
- C - A Mobile ID could also be derived from an existing physical ID card







## Your Partner for Security Standards



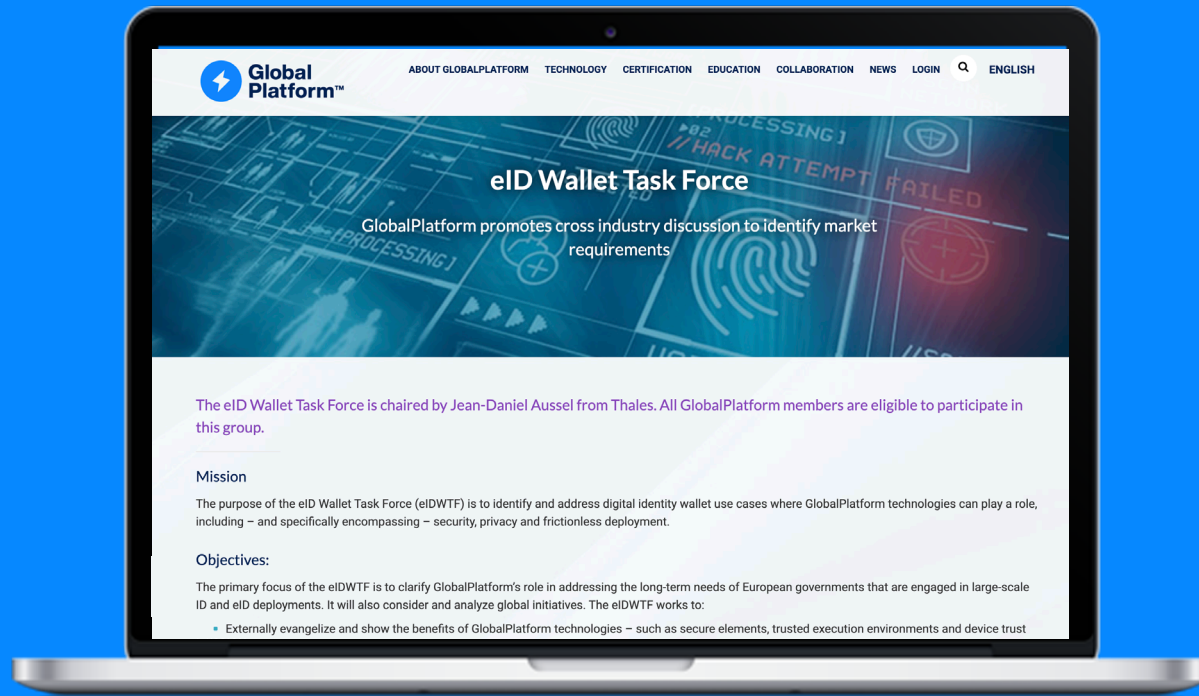
## Collaboration is **KEY**

Our strong collaborative relationships across the world, from international standards organizations to regional industry bodies, are key to realizing our vision of:

- fully open ecosystems that focus on interoperability
- efficiently delivers innovative digital services
- across all vertical markets,
- Supporting different levels of security, while
- providing privacy, simplicity, and convenience for the user.

GlobalPlatform has 35 Industry partners from around the world.

# Get Involved



[www.globalplatform.org](http://www.globalplatform.org)

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