ETSI STANDARDIZATION WORK

An update about the work of ETSI TC SCP

Presented by Dr. Klaus Vedder, Giesecke & Devrient, TC SCP Chairman - ETSI Security Week 2016
TC Smart Card Platform (SCP)

TC SCP: The home of the UICC
TC SCP: 25+ Years of real-life experience

The UICC

- A common security platform on a dedicated piece of hardware for all (mobile telecommunication) systems
- Providing physical and logical interfaces enabling communication between the UICC and the hosting device (e.g. mobile phone)
- Over 50 specifications on APIs, browsers, Internet connectivity, M2M, new interfaces for high speed and NFC as well as remote management and test specifications

⚠️ The specifications are application agnostic and therefore not restricted to the world of telecommunications. They can be used as a (secure) platform for basically any application

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The "new" TC SCP

The revised Terms of Reference

- Secure Elements instead of IC Cards
  - This will provide more flexibility when addressing M2M and IoT usage

- ToR not restricted any longer to the interface between the UICC and the device
  - TC SCP will consider the ecosystem and its impact on the UICC
  - TC SCP’s mission now covers interfaces between servers involved in the management of the UICC
    - Quote from the new ToR: Development and maintenance of interface, procedures and protocol specifications between the Secure Element and entities (remote or local) used in the management of that Secure Element. This includes interfaces, procedures and protocol specifications used between such entities for the secure provisioning and operation of services making use of that Secure Element.
New Work Item

- Improvement of existing physical/electrical interface and/or logical interface or definition of new ones for removable and non-removable secure elements
- New flexible ETSI form factors for a secure element
- New data structures being able to handle large amount of data in a secure way
- Configurations will be specified, in particular an optimized configuration for IoT
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Standardization has always been fun!

Find your way through the standardization maze: Collect the technologies you need to take mobile telecommunications to the next level.

Next TC SCP Plenary Meeting
Stockholm, 20-22 July 2016
see: www.etsi.org