Agenda Item:

Source: SMG 9 Chairman

Title: SMG 9 Activities

Please see attached Presentation
SMG9 "SIM Aspects"

Every SIM with every mobile in every network - worldwide

Born in 1988, still going strong

- Custodian of the SIM and its interfaces
  - maintenance of specifications
  - Phase 2+ enhancements
- User Identity Module for UMTS
- Generic issues for all ETSI IC cards
- The committee
  - 70+ delegates from 15+ countries
  - five Working Parties:
    - UMTS, API, Toolkit Security,
      Testing, Generic Issues
  - Chairman Dr. Klaus Vedder, G&D
The SIM - A Removable Security Module

- Secure device under issuer control
  - issuer specific security mechanisms
  - secure key management

- Universal plastic roaming
  - keeping your identity when changing terminal or technology

- Issuer independent terminal
  - terminal does not contain any subscription data
  - global market versus local market - economy of scales
  - bigger choice for the customer through more competition

Complete Set of Specifications

- SIM - ME Interface
  - electrical (incl. low voltage), mechanical, logical

- SIM Application Toolkit
  - toolbox for card issuers to create terminal independent applications for issuer differentiation
  - Application Protocol Interface for secure (over-the-air) loading of manufacturer independent SW
    - JAVA™ API in co-operation with the JAVA™ Card Forum
    - co-operation with VISA on the integration of the VISA Open Platform

- Set of Test Standards
SIM Application Toolkit
The basis for issuer differentiation

- Secure Over-the-Air administration
  - downloading data and applications
- SIM as basis for Value Added Services
  - end-to-end communication (SIM - VAS platform)
  - applications independent of handset (manufacturer)
- Typical applications
  - mobile banking (secure money transfer)
  - loading of electronic purses over-the-air
  - user-friendly information services
  - services based on locality (e.g. taxis, hotels, call charges, ...)
  - part of the VHE (Virtual Home Environment)

SIM Application Toolkit
Toolbox for issuer specific SIM applications

- Standardised mechanisms, commands and functions
- Some functions and features provided
  - configuration of handset menus, control of display
  - icons / diagrams; timer; 2nd card interface
  - use of local information
- Utilisation of SIM inherent security features
- Incorporate issuer specific (end-to-end) security functions
Conclusion

The SIM is an essential element for security, universal roaming and service differentiation.