SACM
IETF-92 Meeting
3GPP SA3 and SACM

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3GPP SA3 Basics

- What is 3GPP?
  - The Third Generation Partnership Project emerged from initial ETSI work and has become the world's largest and most active standards body with 42 major groups
  - It produces sets of releases (currently Rel. 13) that constitute the basis for GSM (and derivatively CDMA and interconnected WiFi) network infrastructure and services worldwide
  - Secretariat remains at ETSI https://portal.etsi.org - click on 3gpp
- What is SA3?
  - Technical Committee on Security; meets 5-6 times per year
  - Met at Sorrento, 26-30 Jan 2015; next at Nanjing, 20-24 April
  - Venue for Security Assurance specifications and studies for global mobile infrastructure begun in 2013
    - Modelled after Common Criteria Recognition Authority specifications
- What is GSMA FASG?
  - GSM Association is based in London and represent the interests of mobile network operators around the world, and their key suppliers
  - A key role is to establish industry consensus, define requirements and submit those to relevant SDOs for standardisation
  - Among numerous task forces, programmes and projects, there are 8 technical working groups, including FASG (Fraud and Security Group)
  - Produces guidelines, requirements, reports, recommendations, normative specifications, and supports some global security capabilities
  - The sub-group SECAG (Security Assurance Group) is expected to administer the Network Equipment Security Assurance Scheme (NESAS), based on 3GPP SECAM security requirements

SA3 SACM related Work Items

WI Identifier	Latest draft	Technical Report Topic	SACM Relationship
TR 33.805 V2.0.0 (2013-12)	published	Study on security assurance methodology for 3GPP network products (Release 12)	Significant - describes methodologies for specifying network product security assurance and hardening requirements, with associated test cases when feasible, of 3GPP network products
TR 33.916 V0.7.0	S3-151151	Security Assurance Methodology for 3GPP network products (Release 13)	Significant - defines the complete Security Assurance Methodology (SECAM) evaluation process (evaluation, relation to SECAM Accreditation Body, roles, etc.) as well as the components of SECAM that are intended to provide the expected security assurance
TR 33.806 V0.7.0	S3-151152	Pilot development of Security Assurance Specification (SCAS) for MME (Mobility Management Entity) network product class (Release 13)	Significant – applies SECAM to the MME product class.
TS 33.116		Security Assurance Specification for 3GPP network product classes	Significant – provides an implementable specification for security assurance for 3GPP network products based on TR33.806