

TSG-SA Working Group 1 (Services) meeting #3
 Hampton Court, Surrey, UK 10th-12th May 1999
TSG_SA_WG1
Edinburgh
8-12 March 1999

TSGS1#3(99)344
 Agenda: 6.1.4
S1-99 148
 Agenda: 9.0.6

CHANGE REQUEST No : <input type="text"/>		<small>Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.</small>
Technical Specification GSM	<input type="text" value="22.100"/>	Version: <input type="text" value="3.3.0"/>
Submitted to TSG SA <input type="text" value="#4"/>	for approval <input checked="" type="checkbox"/>	without presentation ("non-strategic") <input type="checkbox"/>
<small>list SMG plenary meeting no. here ↑</small>	for information <input type="checkbox"/>	with presentation ("strategic") <input checked="" type="checkbox"/>
<small>PT SMG CR cover form is available from: http://docbox.etsi.org/tech-org/smg/Document/smg/tools/CR_form/crf28_1.zip</small>		

Proposed change affects: SIM ME Network
(at least one should be marked with an X)

Work item: UMTS Release 99 Requirements

Source: Rapporteur of 22.100 **Date:** 12th March 1999

Subject: Rewriting of section 11 about security requirements.
 Adding of reference to S3 specifications for security requirements for REL99.

Category:

F Correction	<input type="checkbox"/>	Release: Phase 2	<input type="checkbox"/>
A Corresponds to a correction in an earlier release	<input type="checkbox"/>	Release 96	<input type="checkbox"/>
B Addition of feature	<input type="checkbox"/>	Release 97	<input type="checkbox"/>
C Functional modification of feature	<input checked="" type="checkbox"/>	Release 98	<input type="checkbox"/>
D Editorial modification	<input type="checkbox"/>	Release 99	<input checked="" type="checkbox"/>

(one category and one release only shall be marked with an X)

Reason for change: To align the specification with the fact that S3 defines security requirements for UMTS Phase 1 Release 99.

Clauses affected: section 11

Other specs affected:

Other releases of same spec	<input type="checkbox"/>	→ List of CRs:	<input type="text"/>
Other core specifications	<input type="checkbox"/>	→ List of CRs:	<input type="text"/>
MS test specifications / TBRs	<input type="checkbox"/>	→ List of CRs:	<input type="text"/>
BSS test specifications	<input type="checkbox"/>	→ List of CRs:	<input type="text"/>
O&M specifications	<input type="checkbox"/>	→ List of CRs:	<input type="text"/>

Other comments:



<----- double-click here for help and instructions on how to create a CR.

11 Security Features

With respect to the GSM security mechanisms, ~~the following additional features may be implemented will apply for UMTS phase 1 if required by SMG10~~; Security requirements for UMTS Phase 1 Release 99 are set in TSG SA WG3 specifications.

- ~~1) Mutual authentication between user and serving network, between user and home environment and between serving network and home environment~~
- ~~2) Confidentiality of user and signalling data to and within the access network (and possibly into the core network)~~
- ~~3) End to end encryption (as an optional service) between UMTS users, with access to plaintext for lawful interception purposes~~
- ~~4) TTP (trusted 3rd party) mechanisms, including public key techniques and associated certificates and signing, verification and revocation procedures used, for example, before accessing 3rd party services.~~
- ~~5) Authentication, confidentiality and integrity of signalling between UMTS network (both core and access) nodes~~
- ~~6) Confidentiality of the user identity on the radio interface.~~