

3G CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

33.102 CR 054r1

Current Version: **3.3.1**

3G specification number ↑

↑ CR number as allocated by 3G support team

For submission to **SA #7** for approval (only one box should
TSG
list TSG meeting no. here ↑ for information be marked with an X)

Form: 3G CR cover sheet, version 1.0 The latest version of this form is available from: <ftp://ftp.3gpp.org/Information/3GCRF-xx.rtf>

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

USIM

ME

UTRAN

Core Network

Source: **S3**

Date: **2000-Feb-23**

Subject: **Scope**

3G Work item: **Security**

Category:

- F Correction
- A Corresponds to a correction in a 2G specification
- B Addition of feature
- C Functional modification of feature
- D Editorial modification

(only one category shall be marked with an X)

Reason for change:

Clarification of the scope of 33.102 needed w.r.t GSM interoperability.

Clauses affected: **1**

Other specs affected:

- Other 3G core specifications → List of CRs:
- Other 2G core specifications → List of CRs:
- MS test specifications → List of CRs:
- BSS test specifications → List of CRs:
- O&M specifications → List of CRs:

Other comments:



help.doc

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

1 Scope

This specification defines the security architecture, i.e., the security features and the security mechanisms, for the third generation mobile telecommunication system.

A security feature is a service capability^{ies} that meets one or several security requirements. The complete set of security features address the security requirements as they are defined in "3G Security: Threats and Requirements" (21.133 [1]). A security mechanism is an element that is used to realise a security feature. All security features and security requirements taken together form the security architecture.

An example of a security feature is user data confidentiality. A security mechanism that may be used to implement that feature is a stream cipher using a derived cipher key.

This specification defines 3G security procedures performed within 3G capable networks (R99+), i.e intra-UMTS and UMTS-GSM. As an example, UMTS authentication is applicable to UMTS radio access as well as GSM radio access provided that the serving network node and the subscriber are UMTS capable. Interoperability with non-UMTS capable networks (R98-) is also covered.