
Source: SA WG3
Title: CR to 33.203: Security association handling in IMS when the UE changes IP address (Rel-5)
Document for: Approval
Agenda Item: 7.3.3

SA doc#	Spec	CR	R	Phase	Subject	Cat	Current Version	WI	SA WG3 doc#
SP-020386	33.203	010	1	Rel-5	Security association handling in IMS when the UE changes IP address	C	5.1.0	IMS-ASEC	Revised at SA#16 from SP-020353

(SP-020353 revised at SA#16)

<small>CR-Form-v4</small>	
<h2 style="margin: 0;">CHANGE REQUEST</h2>	
⌘ 33.203 CR 010 ⌘ ev 1 ⌘ Current version: 5.1.0 ⌘	

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Security association handling in IMS when the UE changes IP address	
Source:	⌘ SA WG3	
Work item code:	⌘ IMS-ASEC	Date: ⌘ May 17 2002
Category:	⌘ C	Release: ⌘ REL-5
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)

Reason for change:	⌘ Align TS33.203 with TS23.228 requirements for IPv6 privacy
Summary of change:	⌘ Adding rules for SA handling when the UE changes IP address
Consequences if not approved:	⌘ TS33.203 is not consistent with TS23.228

Clauses affected:	⌘ 2 (add reference to RFC 3041), 7.5 (new)	
Other specs affected:	⌘ <input checked="" type="checkbox"/>	24.228, 24.229
Other comments:	⌘	

***** FIRST CHANGE *****

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TS 33.102: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; 3G Security; Security Architecture".
- [2] 3GPP TS 22.228: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Service Requirements for the IP Multimedia Core Network".
- [3] 3GPP TS 23.228: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; IP Multimedia (IM) Subsystem".
- [4] 3GPP TS 21.133: "3rd Generation Partnership Project; T Technical Specification Group Services and System Aspects; Security Threats and Requirements".
- [5] 3GPP TS 33.210: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; 3G Security; Network domain security; IP network layer security".
- [6] IETF RFC 3261 "SIP: Session Initiation Protocol".
- [7] 3GPP TS 21.905: "3rd Generation Partnership Project: Technical Specification Group Services and System Aspects; Vocabulary for 3GPP specifications".
- [8] 3GPP TS 24.229: "3rd Generation Partnership Project: Technical Specification Group Core Network; IP Multimedia Call Control Protocol based on SIP and SDP".
- [9] 3GPP TS 23.002: "3rd Generation Partnership Project: Technical Specification Group Services and System Aspects, Network Architecture".
- [10] 3GPP TS 23.060: "3rd Generation Partnership Project: Technical Specification Group Services and System Aspects, General Packet Radio Service (GPRS); Service Description".
- [11] 3GPP TS 24.228: "3rd Generation Partnership Project: Technical Specification Group Core Network; Signalling flows for the IP multimedia call control based on SIP and SDP".
- [12] IETF RFC 2617 (1999) "HTTP Authentication: Basic and Digest Access Authentication".
- [13] [IETF RFC 3041: "Privacy Extensions for Stateless Address Autoconfiguration in IPv6"](#).

***** PROPOSED NEW SECTION 7.5 *****

7.5 Rules for security association handling when the UE changes IP address

When a UE changes its IP address, e.g. by using [the method described in RFC 3041 \[13\]](#), then the UE shall initiate an unprotected registration procedure using the new IP address as the source IP address in the packets carrying the REGISTER messages.