Source:	**SA WG3**
Title:	**CR to 33.203: UE and P-CSCF Behaviour on an Incomplete Authentication (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-020350	33.203	007		Rel-5	UE and P-CSCF Behaviour on an Incomplete Authentication	F	5.1.0	IMS-ASEC	S3-020294

CR-Form-v5

CHANGE REQUEST

| ⌘ | **33.203** CR **007** | ⌘**rev** | **-** | ⌘ | 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 **X** Radio Access Network ☐ Core Network **X**

Title:	⌘	UE and P-CSCF Behaviour on an Incomplete Authentication
Source:	⌘	SA WG3
Work item code: ⌘	IMS-ASEC	***Date:*** ⌘

| ***Category:*** | ⌘ | **F** | | ***Release:*** ⌘ | Rel-5 |

Use one 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 one 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:	⌘	The behaviour of the UE, P-CSCF and S-CSCF after an incomplete registration is not currently specified. This leaves an incomplete specification. The change also removes an Editor's note.
Summary of change: ⌘		Describes the behaviour of the UE, P-CSCF and S-CSCF after an incomplete authentication.
Consequences if not approved:	⌘	The specification will not be complete, which may lead to implementations that do not operate successfully together.

Clauses affected:	⌘	6.1.2.3, 7.3, 7.3.1.4

Other specs affected:	⌘	☐ Other core specifications	⌘	
		☐ Test specifications		
		☐ O&M Specifications		

Other comments:	⌘	

************* FIRST CHANGED SECTION **************

6.1.2.3 Incomplete authentication

If the S-CSCF does not receive a response to an authentication within an acceptable time, it considers the authentication to have failed. If the IMPU was not already registered, the S-CSCF shall send a Cx-Put to the HSS to set the registration-flag for that IMPU to *unregistered* (see message CM3 in clause 6.1.2.2). If the IMPU was already registered, the S-CSCF does not change the registration-flag.

************** NEXT CHANGED SECTION **************

7.3 Error cases in the set-up of security associations

Whenever an expected message is not received after a time-out the receiving entity considers the registration to have failed.

[Editor's note: Clarify, how SIP registration handles the inconsistent state that is created by a lost SM12 message]

################# NEXT CHANGED SECTION **************

7.3.1.4 Incomplete authentication

If the UE responds to an authentication challenge from a S-CSCF, but does not receive a reply before the request times out, the UE shall start a registration procedure if it still requires any IM services. The first message in this registration should be protected with an SA created by a previous successful authentication if one exists.

If the P-CSCF deletes a registration SA due to its lifetime being exceeded, the P-CSCF should delete any information relating to that registration procedure.