

CHANGE REQUEST

⌘ **TS 33.203 CR CRNum** ⌘ rev - ⌘ Current version: **5.7.0** ⌘

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Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Network behaviour of accepting initial requests		
Source:	⌘ Nokia		
Work item code:	⌘ IMS-ASEC	Date:	⌘ 11/11/2003
Category:	⌘ F	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) Rel-6 (Release 6)

Reason for change:	⌘ It was agreed in SA3/CN1 joint meeting, the CSCFs should always accept the latest registration request from a UE if it is not registered yet. This CR is an implementation of the conclusion.
Summary of change:	⌘ <ul style="list-style-type: none"> - S-CSCF should abandon the previous challenge, and send a new challenge towards to the same UE; - P-CSCF should delete the previous registration SA towards to the same UE, and insert the one that is associated with new challenge.
Consequences if not approved:	⌘ It was concluded that authentication timer for a complete registration may have more severe effect of DoS attack.

Clauses affected:	⌘ 6.1.2.3, 7.3.1.4										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	X			X		X	Other core specifications Test specifications O&M Specifications	⌘ TS 24.229, TS 29.228?
	Y	N									
	X										
	X										
	X										
Other comments:	⌘										

6.1.2.3 Incomplete authentication

If the S-CSCF does not receive a response to an authentication within an acceptable time [or it receives a new request from the same UE and it decides to challenge for the new request](#), it considers the [previous](#) authentication to have failed. If the IMPU [in the previous request](#) 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. [The S-CSCF shall challenge the new request as the procedure described in clause 6.1.1.](#)

----- NEXT CHANGE-----

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 [or a later challenge and the associated registration SA are taken in place](#), the P-CSCF should delete any information relating to that registration procedure.