

## CHANGE REQUEST

⌘ **33.141 CR CRNum** ⌘ rev **-** ⌘ Current version: **6.0.0** ⌘

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

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

<b>Title:</b>	⌘	ISIM support	
<b>Source:</b>	⌘	Nokia, Gemplus, Alcatel	
<b>Work item code:</b>	⌘	Presence security	<b>Date:</b> ⌘ 29/06/2004
<b>Category:</b>	⌘	<b>C</b>	<b>Release:</b> ⌘ Rel-6
		Use <u>one</u> of the following categories:	Use <u>one</u> of the following releases:
		<b>F</b> (correction)	2 (GSM Phase 2)
		<b>A</b> (corresponds to a correction in an earlier release)	R96 (Release 1996)
		<b>B</b> (addition of feature),	R97 (Release 1997)
		<b>C</b> (functional modification of feature)	R98 (Release 1998)
		<b>D</b> (editorial modification)	R99 (Release 1999)
		Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .	Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	⌘	It should be possible to access the Presence server with an ISIM, since the presence account based on an ISIM may be different than that in a USIM, which are received from a BSF, e.g., IMPU value, and IMPUs added to enable new services. Note the two applications ISIM and USIM can be independent to each other.
<b>Summary of change:</b>	⌘	Support for an ISIM to access the Presence server is added.
<b>Consequences if not approved:</b>	⌘	It may cause confusion because the user's information retrieved from a BSF based on a USIM account, could be different than that from an HSS based on an ISIM account

<b>Clauses affected:</b>	⌘	5.1.1								
<b>Other specs affected:</b>	⌘	<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;"> </td> <td style="text-align: center;">X</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> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘	Y	N		X		X		X
Y	N									
	X									
	X									
	X									
<b>Other comments:</b>	⌘									

## 5.1.1 Authentication of the subscriber and the network

A subscriber shall be authenticated before accessing user data in a server. The subscriber shall only be able to manipulate data that is associated with that particular subscriber.

**Editors note: Relationship between Transaction Identifier and subscriber identity is ffs. In the case of Presence Ut interface, there are several potential identities that are related to the Transaction Identifier, i.e. IMPI and IMPUs. The subscriber may have several Presence accounts related to same IMPI. Transaction Identifier does not carry enough information on which IMPU the end-user is trying to use.**

Authentication between the subscriber and the network shall be performed as specified in clause 6.1.

Subscriber authentication can be made by the operator using proprietary or non-3G standardized methods. In case 3GPP authentication mechanisms are used [as specified in TS33.220 \[11\]](#), the authentication of the subscriber shall be based on the USIM/ISIM. The authentication of the subscriber and the network shall be based on Generic Authentication Architecture as defined in 3GPP TR 33.919 [15]. Generic Authentication Architecture enables the use of different authentication methods to be used for the authentication of the subscriber by using:

- subscriber certificates (e.g., TLS, cf. [6,8,9]), or
- shared secrets (e.g., TLS with HTTP Digest, cf. [17]).

The server certificate to be used for application server authentication shall be based on WAPCert [12].

~~Editors Note: If 3GPP decides that ISIM only UICCs are allowed then it needs to be studied further if also the ISIM may be used in the Generic Authentication Architecture~~

A UE may contact the Presence Server/AP for further instructions on authentication procedures.

The consumption of Authentication Vectors should be minimized. The architecture shall ensure that SQN synchronization failures are minimized.