

Source: TSG CN WG 1
Title: CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 8
Agenda item: 8.1
Document for: APPROVAL

Introduction:

This document contains 2 CRs, Rel-5 to Work Item "IMS-CCR", that have been agreed by TSG CN WG1#29, overridden in CN1#30, but then agreed to be submitted in CN#20, and are therefore forwarded to TSG CN Plenary meeting #20 for approval.

Spec	CR	Rev	Cat	Phase	Subject	Version-Current	Version-New	Meeting-2nd-Level	Doc-2nd-Level
24.229	358	2	F	Rel-5	User initiated de-registration at P-CSCF	5.4.0	5.5.0	N1-29	N1-030558
24.229	362	2	F	Rel-5	User initiated de-registration	5.4.0	5.5.0	N1-29	N1-030756

CR-Form-v7

CHANGE REQUEST

⌘ **24.229 CR CR 358** ⌘ rev **2** ⌘ Current version: **5.4.0** ⌘

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

Title:	⌘ User initiated de-registration at P-CSCF	
Source:	⌘ Nokia	
Work item code:	⌘ IMS-CCR	Date: ⌘ 24/03/2003
Category:	⌘ F 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 .	Release: ⌘ Rel-5 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:	⌘ Clarifications to the existing text.
Summary of change:	⌘ It has been made clear that the text refers to the subscription the user has at the S-CSCF. The text has been improved and has been clarified that the P-CSCF deletes the SA using internal procedures which does not involve SIP communication
Consequences if not approved:	⌘ The text will be open for misinterpretation.

Clauses affected:	⌘ 5.2.5.1									
Other specs affected:	<table border="1"> <tr> <td>Y</td> <td>N</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘
Y	N									
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
Other comments:	⌘									

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/>. For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

5.2.5.1 User-initiated deregistration

When the P-CSCF receives a 200 (OK) response to a REGISTER request (sent according to subclause 5.2.2), it shall check the value of the Expires header field and/or expires parameter in the Contact header field. When the value of the Expires header field or expires parameter equals zero, then the P-CSCF shall:

- 1) remove the public user identity found in the To header field, and all the associated public user identities, from the registered public user identities list and all related stored information; and
- 2) check if the user has left any other registered public user identity. When all of the public user identities of a user are deregistered, the P-CSCF shall, if ~~its~~ [the](#) subscription to the reg event package ~~of~~ [for](#) that user is still alive, terminate ~~that~~ [the](#) subscription ~~to the reg event package for that user~~ by sending a SUBSCRIBE request with an Expires header containing a value of zero [to the S-CSCF](#). The P-CSCF shall also ~~remove~~ [delete](#) the security associations towards that user after the server transaction (as defined in RFC 3261 [26]) pertaining to this deregistration terminates.

[NOTE 1: Deleting a security association is an internal procedure of the P-CSCF and does not involve any SIP procedures.](#)

NOTE ~~2~~⁴: There is no requirement to distinguish a REGISTER request relating to a registration from that relating to a deregistration. For administration reasons the P-CSCF may distinguish such requests, however this has no impact on the SIP procedures.

CR-Form-v7

CHANGE REQUEST

☼ **24.229 CR CR362** ☼ rev **2-** ☼ Current version: **5.4.0** ☼

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

Title:	☼ User initiated de-registration		
Source:	☼ Nokia		
Work item code:	☼ IMS-CCR	Date:	☼ 24/03/2003
Category:	☼ F	Release:	☼ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	2	(GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R96	(Release 1996)
	B (addition of feature),	R97	(Release 1997)
	C (functional modification of feature)	R98	(Release 1998)
	D (editorial modification)	R99	(Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Rel-4	(Release 4)
		Rel-5	(Release 5)
		Rel-6	(Release 6)

Reason for change:	☼ There are two places in 24.229 where it is said that the subscription of P-CSCF to the registration state event has to be terminated. The procedures at the S-CSCF will take precedence, and thus the procedures at the P-CSCF are "backup" procedures <u>are not needed</u> .
Summary of change:	☼ A NOTE has been added to reflect the above. <u>The termination of subscription at the P-CSCF has been removed from the specification.</u>
Consequences if not approved:	☼ Less clear TS.

Clauses affected:	☼ 5.2.5.1						
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;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	☼
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<input checked="" type="checkbox"/>	Test specifications					
	<input checked="" type="checkbox"/>	O&M Specifications					
Other comments:	☼						

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NOTE 1: There is no requirement to distinguish a REGISTER request relating to a registration from that relating to a deregistration. For administration reasons the P-CSCF may distinguish such requests, however this has no impact on the SIP procedures.

NOTE 2: When the P-CSCF has sent the 200 (OK) for the REGISTER request of the last registered public user identity, the P-CSCF removes the security association established between the P-CSCF and the UE. Therefore further SIP signalling (e.g. the NOTIFY containing the deregistration event) will not reach the UE.