

Source: TSG CN WG 1
Title: CR to Rel-5 on Work Item IMS-CCR towards 24.229,- CR459r1
Agenda item: 8.1
Document for: APPROVAL

Introduction:

This document contains 1 CR, **Rel-5** to Work Item "IMS-CCR", that have been agreed by **TSG CN WG1** in **CN1#31 meeting**, and are forwarded to TSG CN Plenary meeting #21 for approval.

TDoc #	Tdoc Title	Spec	CR #	Rev	CAT	C_Version	Rel
N1-031232	Notification about registration status at AS	24.229	459	1	F	5.5.0	Rel-5

CR-Form-v7
CHANGE REQUEST
⌘ 24.229 CR 459 ⌘ rev 1 ⌘ Current version: 5.5.0 ⌘

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:	⌘	Notification about registration status at AS
Source:	⌘	Lucent Technologies
Work item code:	⌘	IMS-CCR
		Date: ⌘ 10/08/2003
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:	⌘	Upon receipt of a third-party REGISTER request, the AS may subscribe to the reg event package for the public user identity registered at the users registrar (S-CSCF). Currently, the existing text in the subclause 5.7.1.1 does not explicitly specify how is the AS subscription to the reg event package terminated.
Summary of change:	⌘	Clarifying text added.
Consequences if not approved:	⌘	Incomplete specification.

Clauses affected:	⌘	5.7.1.1								
Other specs affected:	⌘	<table border="1" style="display: inline-table; vertical-align: middle;"> <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;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">C</td> <td style="text-align: center;">C</td> </tr> </table> Other core specifications ⌘ Test specifications O&M Specifications	Y	N	X	X	X	X	C	C
Y	N									
X	X									
X	X									
C	C									
Other comments:	⌘	Changes requested by the WG were incorporated.								

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.

5.7.1.1 Notification about registration status

The AS may support the REGISTER method in order to discover the registration status of the user. If a REGISTER request arrives containing information about the user's registration status and the AS supports the REGISTER method, the AS shall store the Expires parameter from the request and generate a 200 (OK) response or an appropriate failure response. For the success case, the 200 (OK) response shall contain Expires value equal to the value received in the REGISTER request. The AS shall store the values received in P-Charging-Function-Addresses header. Also, the AS shall store the values of the icid parameter in the P-Charging-Vector header from the REGISTER request.

Upon receipt of a third-party REGISTER request, the AS may subscribe to the reg event package for the public user identity registered at the users registrar (S-CSCF) as described in draft-ietf-sipping-reg-event-00 [43].

On sending a SUBSCRIBE request, the AS shall populate the header fields as follows:

- a) a Request URI set to the resource to which the AS wants to be subscribed to, i.e. to a SIP URI that contains the public user identity of the user that was received in the To header field of the third-party REGISTER request;
- b) a From header field set to the AS's SIP URI;
- c) a To header field, set to a SIP URI that contains the public user identity of the user that was received in the To header field of the third-party REGISTER request; and
- d) an Event header set to the "reg" event package.

Upon receipt of a 2xx response to the SUBSCRIBE request, the AS shall store the information for the so established dialog and the expiration time as indicated in the Expires header of the received response.

NOTE 1: Upon receipt of a NOTIFY request with all <registration> element(s) having their state attribute set to "terminated" (i.e. all public user identities are deregistered) and the Subscription-State header set to "terminated", the P-CSCF considers the subscription to the reg event package terminated (i.e. as if the P-CSCF had sent a SUBSCRIBE request with an Expires header containing a value of zero).

