3GPP TSG-CN Meeting #21
17th - 19th September 2003. Frankfurt, Germany.

Tdoc NP-030349

CR-Formv7

CHANGE REQUEST

24.229	CR	459	rev	2	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:	09/09/2003
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)*
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:	Clearifying text added.
Consequences if not approved:	Incopmlete specification.

Clauses affected:	5.7.1.1

	Y	N	
Other specs affected:		X	Other core specifications
		X	Test specifications
		X	O&M Specifications

Other comments:	This revision produced, as due to an error by the contributor, the version agreed by CN1 did not include the changes requested by the CN1 during the presentation and discussion. Those changes are documented in the CN1 #31 meeting report, and are the only changes introduced into this revision. They consist of the removal of parentheses, and the changing of "P-CSCF" to "AS", itself a copy/paste error from a companion CR. Without these changes, the original CR is incorrect, and should not be approved. As the change is well documented in the CN1#31 meeting report, has been circulated to the CN1 mailing list without comment received, it is considered

	pragmatic to request TSG CN to approved the correct version, rather than referring the issue back to the WG for further discussion.

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 AS considers the subscription to the reg event package terminated, i.e. as if the AS had sent a SUBSCRIBE request with an Expires header containing a value of zero.