***TSGS#26(04)0728***

**Source:** **SA1**

**Title:** **CR to 22.141 on "Anonymous subscriptions to Presence lists" (Rel-6)**

**Document for:** **Approval**

**Agenda Item:** **7.1.3**

| Meeting | SA Doc | TS No. | CR No | Rev | Rel | Cat | Subject | Vers. Current | Vers New | SA1 Doc |
|---|---|---|---|---|---|---|---|---|---|---|
| SP-26 | SP-040728 | 22.141 | 018 | - | Rel-6 | F | Delete Requirements for IP session function | 6.6.0 | 6.7.0 | S1-040993 |

**TSG-SA WG1 #26** **S1-040993**
**Sophia Antipolis, France, 11th to 15th October** **Agenda Item: 6.2.1**

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*CR-Form-v7*

# CHANGE REQUEST

⌘ **22.141** **CR** **018** ⌘ **rev** **-** ⌘ Current version: **6.2.1** ⌘

*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 [X] Radio Access Network [ ] Core Network [X]

| | | |
|---|---|---|
| ***Title:*** | ⌘ | Removal of Requirement for Anonymous Watchers |
| ***Source:*** | ⌘ | SA1 (Research In Motion) |
| ***Work item code:*** | ⌘ | PRES |
| ***Date:*** | ⌘ | 15/10/2004 |
| ***Category:*** | ⌘ | **F** |
| ***Release:*** | ⌘ | Rel-6 |

*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:*** | ⌘ | CN1 have informed SA1 that there is currently no mechanism for a Watcher to specify its privacy prefereces. IETF posters have expressed the view that no presentity will release presence information to watchers who refuse to identify themselves. SA1 concur with that view. |
| ***Summary of change:*** | ⌘ | Removal of requirement for the support of an anonymous watcher subscription. |
| ***Consequences if not approved:*** | ⌘ | Misalignment of Stage 1 with Stage 3. |
| ***Clauses affected:*** | ⌘ | 5.4 |

| | Y | N | | | |
|---|---|---|---|---|---|
| ***Other specs affected:*** ⌘ | X | | Other core specifications | ⌘ | 24.141 |
| | | X | Test specifications | | |
| | | X | O&M Specifications | | |

| | | |
|---|---|---|
| ***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.

f) may include a text attribute (e.g. “In a meeting until 4 p.m.”)

This attribute is controlled by the subscriber. It shall be possible for the text information to be provided by the subscriber, or by the network on behalf of the subscriber (subject to the subscriber’s agreement).

The format of this attribute shall be standardised.

b) A means to uniquely identify the watcher

c) Forward compatible presence service

Presence service shall leverage current and evolving presence technology by re-using existing standards as far as possible and proposing extensions (as necessary) to existing standards.

d) Interoperability with external presence services

External networks (e.g. those in other PLMN’s, the Internet, LANs etc.) currently support several different forms of presence service. The presence service shall enable the wireless network to present a consistent and interoperable support of presence, such that the wireless presence capability users can interwork with one or more other external presence services.

e) Consistent and interoperable presence service

Regardless of the service using presence information, the presence service shall be supported in a consistent and interoperable manner between the UE and the network

f) Transport independence

It shall be possible to use the presence service independent of the bearer or transport mechanism. Restrictions may apply due to the nature of the underlying transport mechanism (e.g. a CS terminal may not be capable to supply the same presence information as a terminal attached to the IM CN Subsystem)

g) Presence service quality of service

i) the Presence Service shall enable a watcher, if required, to request a time after which delivery of the requested information shall not take place.

ii) the Presence Service shall enable a presentity to indicate an expiry time for the presence information, if required.

iii) the Presence Service shall enable presence information delivered to a watcher to be marked with an expiry time, if required.

h) Presence and other user services

The operation of Presence Service may be offered both in parallel and independent of other services, e.g. supplementary services, teleservices, bearer services or any other services.

i) Simultaneous access to presence information from multiple terminals

It shall be possible to access presence information simultaneously from multiple terminals (e.g. presentity or watcher would be able to access the presence service via mobile phone and PC).

j) Access to the presence service from external applications

It shall be possible for external applications to be presentities/watchers.

## 5.4 Management requirements

The following management requirements shall be supported for the presence service:

a) Access control to the presence information

The presentity shall be able to manage the access to its presence information in compliance with the principal’s privacy and access rules requirements detailed in 6.1 and 6.2.

The presentity shall have the ability to accept or reject a request for presence information on a per watcher basis, with the option:-

i) once only per watcher (e.g. set up access rules for known watcher, groups of watchers, anonymous watcher-subscriptions, etc.),

ii) for each presence information request (e.g. for watchers that are unknown or not set up in the current access rules).

It shall be possible for the presence service to make access control decisions on behalf of the presentity (e.g. when the presentity is out of contact) subject to the principal's privacy.

It shall be possible to inform the presentity of watcher-subscription requests

It shall be possible to report existing watcher-subscriptions to the presentity (on request or periodically).

It shall be possible for the presentity to request the watcher information.

b) Not used

c) Supplying data to the presence information

When supplying data it shall be possible to update only part of the presence information.

d) Requesting data from the presence information

It shall be possible to request the current value of presence information data on demand at any time (i.e. a fetcher) or on a periodic basis (i.e. a poller) subject to principal's privacy, or to be notified of subsequent changes in presence information data (except when such notification is prevented by access rules

It shall be possible for a watcher to define which parts of a presentity's presence information it receives, subject to the principal's privacy requirements.

It shall be possible for watcher to request presence information anonymously (i.e. the watcher's identifier will not be revealed to the presentity). This request can be accepted or rejected, depending on the principal's privacy.

A Watcher's interest to a presentity's presence information shall not be revealed to other watchers.

Watcher-subscription to a presentity's presence information

i) an entity shall be able to watcher-subscribe to a presentity's presence information at any time, i.e. to request notification from the presence service of (future) changes in any of the attributes or only in the attributes specified by the watcher (subject to the principal's privacy). Note, that by this watcher-subscription the entity becomes a subscribed-watcher.

~~ii) it shall be possible for the watcher to request an anonymous watcher-subscription (i.e. the watcher's identifier will not be revealed to the presentity or to other watchers). This request can be accepted or rejected, depending on the principal's privacy.~~

ii~~i~~) subscriptions are soft-stated. The subscribed-watcher shall be able to refresh a watcher-subscription to the presentity's presence information at any time. A watcher-subscription refreshes overwrite an existing watcher-subscription for the same presentity, subject to the presentity's access rules – the duration of a watcher-subscription starts from the time it is accepted.

iii~~v~~) the subscribed-watcher shall be able to determine the status of his watcher-subscription to that presentity's presence information, at any time.

iv) the subscribed-watcher shall be able to cancel his watcher-subscription to a presentity's presence information at any time. Whenever a subscribed-watcher withdraws its watcher-subscription from a presentity's presence information, the subscribed-watcher shall no longer be receiving notifications regarding the presentity's presence information.

v~~i~~) an unauthorised third party shall not be able to cancel a subscribed-watcher's watcher-subscription to a presentity's presence information

d) User availability and mobility