Source: **TSG SA WG2**
Title: **CRs on 23.141**
Agenda Item: **7.2.3**

The following Change Request (CR) has been approved by TSG SA WG2 and is requested to be approved by TSG SA plenary #23.
Note: the source of all these CRs is now S2, even if the name of the originating company(ies) is still reflected on the cover page of all the attached CRs.

S2 doc #	Title	Spec	CR #	cat	Version in	REL	WI	S2 meeting
S2-040784	Support for Ut reference point	23.141	**060**	F	6.4.0	6	PRESNC	S2 #38

3GPP TSG-SA WG2 Meeting #38
Atlanta, 16-20 February 2004

Tdoc ⌘S2-040784

CR-Form-v7

CHANGE REQUEST

⌘ **23.141** **CR** **060** ⌘ **rev** **-** ⌘ Current version: **6.4.0** ⌘

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

Title:	⌘	Support for Ut reference point
Source:	⌘	SA2 (Lucent Technologies, Siemens, Nokia, Ericsson)
Work item code:	⌘	PRESNC
Date:	⌘	16/02/2004
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:	⌘	The Presence List Server may be managed by interactions over the Ut reference point for the case where the Watcher Application resides in an IMS UE. This capability is not clearly specified in the current document. Also, the Ut reference pint may be used to realise part of the Peu functionality. Inconsistent terminology is also used to describe what the UE may manage over the Ut reference point.
Summary of change:	⌘	Add text to clarify that the Ut reference point may be supported by the Presence List Server. Add Ut as one of the IMS refrence point realising Peu. Change some instances of terminology relating to subscription authorisation policies.
Consequences if not approved:	⌘	Confusion over the reference points to be supported by the Presence List Server.

Clauses affected:	⌘	4.3.1, 5.2.1.1, 5.5, and 6.1

Other specs affected: ⌘	Y	N	
		X	Other core specifications
		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.

***** First Change *****

4.3 Reference points

4.3.1 Reference point Presence User Agent – Presence Server (Peu)

This reference point shall allow a presentity's presence information to be supplied to the Presence Server. [3] provides guidelines for such an interface. The transport on this reference point shall not impose any limitations on the size of the presence information.

Peu shall provide mechanisms for the Presence User Agent to manage subscription authorisation policies~~access rules~~.

Peu shall provide mechanisms for the Presence User Agent to obtain information on watcher subscriptions to the Presentities Presence Information.

Peu shall provide mechanisms for the Presence User Agent to supply or update only a certain subset of the presentity's presence information to the Presence Server. It shall also be possible for the Presence User Agent to supply the complete presence document over Peu.

Peu shall support SIP-based communications for publishing presence information, however, in order to provide all the functionalities required on this reference point, a combination of multiple protocols may be used.

IPv6 shall be supported for all functionalities required from a Presence User Agent that supports the Peu reference point. An IPv6 capable 3GPP UE shall use IPv6 when accessing Peu.

***** Next Change *****

5.2.1.1 Relationship of Presence User Agent with IMS entities

When the Presence User Agent is located in an IMS UE the Peu reference point is implemented using the Gm, Mw, Ut and ISC reference points as defined in 3GPP TS 23.002 [14]:

- The Gm, Mw, and ISC reference points allow a presentity's presence information to be supplied to the Presence Server. These reference points also allow for the Presence User Agent to obtain information on watcher subscriptions to the Presentities Presence Information.
- The Ut reference point provides mechanisms for the Presence User Agent to manage subscription authorisation policies.

***** Next Change *****

5.5 Presence List Server

The Presence List Server stores grouped lists of watched presentities and enables a Watcher Application to subscribe to the presence of multiple presentities using a single SUBSCRIBE transaction. Presence List Server also stores and enables the management of filters associated to presentities in the presence list. Presence list server shall attach associated filter to each individual SUBSCRIBE transaction. The Presence List Server is implemented as a SIP Application Server function as defined in 3GPP TS 23.228 [9]. For the case where the Watcher Application resides in an IMS UE, the Presence List Server may support the Ut reference point to allow the user to manage his presence lists.

~~Editor's Note: Additional interfaces may be required for any non SIP functionality between watcher and the Presence List Server.~~

***** Next Change *****

6 Presence attributes

6.1 Presence Attributes

Presence attributes describe the presentity. As the type of the presentity can vary significantly the definition of generic attributes is practically impossible. In 3GPP, the only attributes that are defined describe the 3GPP subscriber type of presentity. Other attributes can be defined by the service providers and manufacturers as part of the other presence markup as specified in IETF (e.g. RFC 2778 [16], RFC 2779[17]). The values (and process of generating them) and value ranges for all attributes shall be kept relatively simple. It is necessary for the 3GPP subscriber to understand how the values are set/modified as it may have direct impact to whom the access to presence data is given (as defined by the subscription authorisation policies~~admission rules~~).