3GPP TSG CN Plenary Meeting #20   **NP-030240**
04-06 June 2003. Hämeenlinna, FINLAND

Source:	**CN5 (OSA)**
Title:	**Rel-5 CR 29.198-14/02 OSA API Part 14/2: Presence and Availability Management (PAM) / Common data**
Agenda item:	**8.2**
Document for:	**APPROVAL**

Doc-1st-Level	Spec	CR	R	Ph	Subject	Cat	Ver-Curr	Doc-2nd-Level	WI
NP-030240	29.198-14	005	-	Rel-5	Change the type of TpPAMFQName to TpURN	F	5.1.0	N5-030262	OSA2
NP-030240	29.198-02	035	-	Rel-5	Add the type TpURN to Common Data Types	F	5.2.0	N5-030293	OSA2

CR-Form-v7

CHANGE REQUEST

⌘   **29.198-14** CR **005**   ⌘**rev** **-** ⌘ Current version: **5.1.0** ⌘

*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 **X**

Title: ⌘	Change the type of TpPAMFQName to TpURN	
Source: ⌘	Teltier (Guda Venkatesh)	
Work item code: ⌘	OSA2	***Date:*** ⌘ 22/05/2003
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: ⌘	TpPAMFQName is a type for naming identities and agents for which TpAddress is inapprorpiate
Summary of change: ⌘	TpPAMFQName aliased to TpURN
Consequences if not approved: ⌘	Inappropriate type used for naming identities

Clauses affected: ⌘	11.1.1

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

Other comments: ⌘	

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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.

1. Introduction

Identities (presentities that represent users) and agents (that represent communication devices) in PAM are named (as distinct from their communication addresses) using the type TpPAMFQName that is aliased to TpAddress. TpAddress was defined in the OSA common data structure to represent various addressing schemes and has grown to be a kitchen sink of addressing schemes a large portion of which have no relevance in some places where TpAddress is used. PAM specifications provide no guidelines of how the different pans are handled when used for TpPAMFQName. But the biggest problem is that TpAddress does not include a plan for URNs (RFC 1737, RFC2141) that are the most relevant for naming (as opposed to addressing) resources which include identities and agents.

TpAddress, as a discriminated union of every possible addressing plan, is not the best data type to use for specific purposes since one will need to check for validity of the address plan in run time for that specific purpose while getting no help from compile time type checking.

This change request is to change the type if TpPAMFQName to be equivalent to TpURN instead of TpAddress.

2. Proposal

11.1.1 TpPAMFQName

This is the same as ~~TpAddress~~ TpURN and is used to ~~address~~ name entities in presence and availability service.

CR-Form-v7

CHANGE REQUEST

⌘   **29.198-02** CR **035**   ⌘**rev** **-** ⌘ Current version: **5.2.0** ⌘

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Proposed change affects: UICC apps⌘ ☐   ME ☐ Radio Access Network ☐ Core Network **X**

Title:	⌘	Add the type TpURN to Common Data Types
Source:	⌘	Teltier (Guda Venkatesh)
Work item code: ⌘	OSA2	***Date:*** ⌘ 22/05/2003

Category: ⌘ **F**   ***Release:*** ⌘ *REL-5*

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  R98   (Release 1998)
  R99   (Release 1999)
  Rel-4   (Release 4)
  Rel-5   (Release 5)
  Rel-6   (Release 6)

Reason for change:	⌘	No existing data type to represent URNs
Summary of change: ⌘	A new Type TpURN introduced into Common data types	
Consequences if not approved:	⌘	Inappropriate data type used to refer to identities and agents

Clauses affected:	⌘	5.6

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

Other comments:	⌘	

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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.

1. Introduction

The common data types do not have a type defined for values that represent URNs (IETF RFC 1737, RFC2141). Currently URL and SIP URIs are the only ones accommodated which are not appropriate for naming representations of users to refer to in a persistent way (regardless of which devices they own and where they are located or how they can be contacted). The URNs are designed for this purpose. This is useful in SCFs like PAM which refer to representations of users ("presentities").

This change request is to introduce a type definition for URNs that can be used by multiple SCFs.

2. Changes

Introduce the following clause in Part 2

TpURN

This data type is identical to a TpString and contains a URN value. This type is used in SCFs such as Presence Service and defines the URN of a "presentity" (i.e., a representation of an end-user). The syntax of what constitutes a valid URN is in IETF RCC 1737. e.g., ("urn: foo.com: bar").