3GPP TSG CN Plenary Meeting #21 **NP-030388**
17th – 19th September 2003 Frankfurt, GERMANY.

Source: TSG CN WG4

Title: Small Technical Enhancements and Improvements for Rel-5

Agenda item: 8.8

Document for: APPROVAL

Spec	CR	Rev	Doc-2nd-Level	Phase	Subject	Cat	Ver_C
23.008	122	2	N4-031066	Rel-5	Addition of a list of authorized visited network identifiers	F	5.5.0

3GPP TSG–CN4 Meeting #20
Sophia Antipolis, France, 25th to 29th August 2003

***Tdoc* ⌘N4-031066**

CR-Form-v7

CHANGE REQUEST

⌘ **23.008** **CR** **122** ⌘ **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 [X]

Title:	⌘	Addition of a list of authorized visited network identifiers
Source:	⌘	CN4
Work item code:	⌘	IMS-CCR
Date:	⌘	28/07/2003
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:	⌘	Essential correction Although, it is required in stage 2 specifications (TS 23.228 § 5.2.1) that "The HSS shall support the possibility to restrict a user from getting access to IM CN Subsystem from unauthorized visited networks.", there is no such data in the user service profile.
Summary of change:	⌘	This document adds data to define the authorized visited network identifiers in the user service profile.
Consequences if not approved:	⌘	Inconsistency between Release 5 specifications: the HSS will not be able to check the roaming rights at IMS level.

Clauses affected:	⌘	3.1.3, 5.3

	Y	N		
Other specs affected: ⌘		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 co

*** FIRST MODIFICATION ***

3 Definition of subscriber data for IP Multimedia domain

3.1 Data related to subscription, identification and numbering

3.1.1 Private User Identity

The Private User Identity is in the form of a Network Access Identifier (NAI), which is defined in RFC 2486 [48].

The Private User Identity is permanent subscriber data and is stored in HSS and in S-CSCF.

3.1.2 Public User Identities

The Public User Identities contain one or several instances of Public User Identity, which is defined in 3GPP TS 23.003 [5].

The Public User Identities are permanent subscriber data and are stored in HSS and in S-CSCF.

3.1.3 Barring indication

Flag associated to each public identity to indicate that the identity is barred from any IMS communication (except registrations and re-registrations).

The Barring indication is permanent subscriber data and is stored in the HSS and in the S-CSCF.

3.1.4 List of authorized visited network identifiers

The list of authorized visited network identifiers is associated with the public user identity of IMS subscribers to indicate which visited network identifiers are allowed for roaming.

The list of visited network identifiers is permanent subscriber data and is stored in the HSS. This list can be a linear list of visited network identifiers or a compound list of network identifier types e.g. home PLMN or home country; however the exact structure of the list is an implementation option.

*** NEXT MODIFICATION ***

5.3 IP Multimedia Service Data Storage

Table 5.3: Overview of data used for IP Multimedia services

PARAMETER	Subclause	HSS	S-CSCF	IM-SSF	AS	TYPE
Private User Identity	3.1.1	M	M		-	P
Public Identity	3.1.2	M	M		-	P
Barring Indication	3.1.3	M	M		-	P
List of authorized visited network identifiers	3.1.4	M	-		-	P
Registration Status	3.2.1	M	-		-	T
S-CSCF Name	3.2.2	M	-		-	T
Diameter Client Address of S-CSCF	3.2.3	M	-		-	T
Diameter Server Address of HSS	3.2.3	-	M		-	T
RAND, XRES, CK, IK and AUTN	3.3.1	M	C		-	T
Server Capabilities	3.4.1	C	C		-	P
Subscribed Media Profile Identifier	3.5.1	C	C		-	P
Initial Filter Criteria	3.5.2	C	C		-	P
Service Indication	3.5.4	M	-		M	P
GsmSCF address for IM CSI	3.8.4	C	-		-	P
IM-SSF address for IM CSI	3.8.5	C	-		-	T
O-IM-CSI	3.8.1	C	-	C	-	P
VT-IM-CSI	3.8.2	C	-	C	-	P
D-IM-CSI	3.8.3	C	-	C	-	P

*** END OF MODIFICATION ***