3GPP TSG CN Plenary Meeting #18 4th - 6th December 2002. New Orleans, USA.

NP-020568

Source: TSG CN WG 1

Title: CR to Rel-5 on Work Item IMS-CCR towards 24.229,- CR290r1

Agenda item: 8.1

Document for: APPROVAL

Introduction:

This document contains 1 CR, Rel-5 Work Item "IMS-CCR", that have been agreed by TSG CN WG1, and are forwarded to TSG CN Plenary meeting #18 for approval.

S	pec	CR#	Re v	CA T	Rel	Tdoc Title	Meeting	TDoc #	C_Version
24.2	229	290	1	С	Rel-5	Emergency Service correction	N1-27	N1-022461	5.2.0

3GPP TSG-CN1 Meeting #27 Bangkok, Thailand, 11 – 15 November 2002

CHANGE REQUEST												
ж	24	.229	C	CR	290	жrev	1	æ	Current vers	sion:	5.2.0	¥
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the % symbols.									nbols.			
Proposed change affects: UICC apps# ME X Radio Access Network Core Network X												
Title:	Э	€ Em	ergency	Service	e correction	on						
Source:	\$	€ Nol	kia									
Work ite	m code:∄	€ IMS	S-CCR						Date: ₩	14/11	/2002	
Category	Category: # C 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. Release: # Rel-5 Use one of the following release: R96 (Release 1996) R97 (Release 1996) R99 (Release 1996) Rel-6 (Release 5) Rel-6 (Release 6)							wing rele Phase 2) se 1996) se 1997) se 1998) se 1999) se 4) se 5)	eases:			
Reason t	for chang	је: Ж	CS don network	nain ins k for th	stead. The e case wh	ere is a ne en the UE	ed for cann	an ei ot ide	pported and ror-handling entify the call call via IMS n	mecha as an e	inism in emergen	the
Summar	y of chan	ge: #	the nec	essary					ry INVITE re separate em			
	There would not be error-handling implementation in the network for the case when the UE cannot identify the call as an emergency call and still attemps to establish an emergency call via IMS network. In these error cases, the UE cannot be guided to use CS domain instead of PS domain for emergency calls							ps to E				
Clauses	affected:	×	3.2, 5.2	2.10								
Other sp	ecs	# 	Y N X C X T	Other co	ore specifi ecification pecification	s	ж					
Other co	mments:	ж										

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 Modification ***

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

1xx A status-code in the range 101 through 199, and excluding 100

2xx A status-code in the range 200 through 299

AS Application Server
APN Access Point Name
AUTN Authentication TokeN
B2BUA Back-to-Back User Agent

BGCF Breakout Gateway Control Function

c conditional

CCF Charging Collection Function CDR Charging Data Record

CK Ciphering Key
CN Core Network

CSCF Call Session Control Function
DHCP Dynamic Host Configuration Protocol

DNS Domain Name System
DTD Document Type Definition
ECF Event Charging Function
GCID GPRS Charging Identifier
GGSN Gateway GPRS Support Node
GPRS General Packet Radio Service

i irrelevant

I-CSCF Interrogating CSCF

ICID IM CN subsystem Charging Identifier

IK Integrity Key
IM IP Multimedia

IMS IP Multimedia core network Subsystem IMSI International Mobile Subscriber Identity

IOI Inter Operator Identifier IP Internet Protocol

IPv4 Internet Protocol version 4 IPv6 Internet Protocol version 6

ISC IP multimedia Subsystem Service Control

ISIM IMS Suscriber Identity Module

m mandatory

MAC Message Authentication Code

MCC Mobile Country Code

MGCF Media Gateway Control Function

MGW Media Gateway MNC Mobile Network Code

MRFC Multimedia Resource Function Controller MRFP Multimedia Resource Function Processor

PDP Packet Data Protocol PLMN Public Land Mobile Network

PSTN Public Switched Telephone Network

n/a not applicable
o optional
P-CSCF Proxy CSCF
PDU Protocol Data Unit
RAND RANDom challenge

RES RESponse

RTP Real-time Transport Protocol

S-CSCF Serving CSCF

SDP Session Description Protocol SGSN Serving GPRS Support Node

SIP	Session Initiation Protocol
SLF	Subscription Locator Function

SQN SeQuence Number

UA User Agent
UAC User Agent Client
UAS User Agent Server
UE User Equipment

UICC Universal Integrated Circuit Card
URI Universal Resource Identifier
URL Universal Resource Locator
USIM UMTS Subscriber Identity Module

x prohibited

XML eXtensible Markup Language

*** Next Modification ***

5.2.10 Emergency service

The P-CSCF shall inspect the Request URI of all INVITE requests <u>from the UE</u> for known emergency numbers and emergency URLs <u>from a configurable listbased on the MCC and MNC received in the P-Access-Network-Info header of the received INVITE request</u>. If the P-CSCF detects that the Request-URI of the INVITE request <u>includes an matches one of the emergency</u> numbers in this list, the INVITE request shall not be forwarded. The P-CSCF shall answer the INVITE request with a 380 (Alternative Service) response.

The 380 (Alternative Service) response shall contain a Content-Type header field with the value set to associated MIME type of the 3GPP IMS XML body as described in subclause 7.6.1.

The 3GPP IMS XML body shall contain an <alternative-service> element that indicates the parameters of the alternative service. The <type> child element shall be set to "emergency" to indicate that it was an emergency call. An operator configurable <reason> child element shall be included with a reason phrase.

The P CSCF shall have a configurable list of emergency numbers and emergency URLs (e.g. sos@domain). The list is used to determine whether the INVITE is destined for an emergency centre or not.