Technical Specification Group Services and System Aspects **TSGS#15(02)0381**Meeting #16, Marco Island, USA, 10-13 June 2002 (Revision of CR 095 in SP-020280)

Source: SA1

Title: CR to 22.101 v5.5.0 on REL5 clean up

Document for: Approval

Agenda Item: 7.1.3

SA Doc	Spec	CR	Rev	Phase	Cat	Subject		New	SA1 Doc
							Vers	Vers	
SP-020280	22.101	095	1	Rel-5	F	CR to 22.101 v5.5.0 on REL5 clean up	5.5.0	5.6.0	S1-021167

CR-Form+v5.1 CHANGE REQUEST												
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For <u>HELP</u> on u	ısing tl	his foi	m, see	bottom o	f this pag	ge or I	ook at	the	pop-up text	over th	e ≰ syr	nbols.
Proposed change affects: ∠ (U)SIM ME/UE Radio Access Network Core Network X												
Title:	Clea	n up	of IMS r	el 5								
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Reason for change:	· K		e of SA ^r to be d		nents hav	/e not	been t	fulfill	led in Rel 5	time fra	me and	thus they
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Consequences if not approved:	Ø	Misa	ligned s	pecification	ons							
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Clauses affected: Other specs affected:	Z Z	Ot Te	her core	0.3, 10.4 e specific ifications cification		Æ						
Other comments:	Ø	Also lost.	22.101	CR for Re	el-6 must	be ap	proved	d, otl	herwise son	ne requ	irements	s may be

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.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- ?? References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- ?? For a specific reference, subsequent revisions do not apply.
- ?? For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

2.1 Normative references

[1]	3GPP TS 22.105 "Services and Service Capabilities"
[2]	3GPP TS 22.121: "Virtual Home Environment (VHE), Stage 1"
[3]	3GPP TS 22.038: "SIM application toolkit, stage 1"
[4]	3GPP TS 22.001: "Principles of Circuit telecommunication services supported by a Public Land Mobile Network (PLMN)".
[5]	3GPP TS 22.004: General on supplementary services"
[6]	3GPP TS 22.030: "Man-Machine Interface (MMI) of the User Equipment (UE)"
[7]	3GPP TS 22.066: "Support of Mobile Number Portability (MNP); Service description; Stage 1"
[8]	3GPP TS 22.079: " Support of Optimal Routing; Stage 1"
[9]	3GPP TS 22.129: "Handover Requirements between UTRAN and GERAN or other Radio Systems"
[10]	3GPP TS 33.102: "Security Architecture"
[11]	3GPP TS 22.011: "Service Accessibility"
[12]	3GPP TS 22.016: "International mobile Station Equipment Identities (IMEI)"
[13]	3GPP TS 24.008: " Mobile Radio Interface Layer 3 Specification"
[14]	3GPP TS 22.003: "Circuit Teleservices supported by a Public Land Mobile Network (PLMN)"
[15]	3GPP TS 21.133: "Security Threats and Requirements"
[16]	3GPP TS 33.120: "Security Principles"
[17]	3GPP TS 22.042: "Network Identity and Time Zone, Service Description, Stage 1"
[18]	3GPP TS 42.009: " Security Aspects"
[19]	3GPP TS 31.102: "USIM Application Characteristics"
[20]	3GPP TS 23.221 "Architectural Requirements"
[21]	3GPP TS 22.002: "Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)"
[22]	3GPP TS 22.060: "General Packet Radio Service (GPRS)"
[23]	3GPP TS 29.002: "Mobile Application Part (MAP) specification"

[24]	3GPP TR 23.972: "Circuit Switched Multimedia Telephony".	
[25]	3GPP TS 22.140: "Multimedia messaging service; Stage 1".	
[26]	3GPP TS 22.226: "Global Text Telephony, Stage 1."	
[27]	3GPP TS 22.228IM: "IP multimedia (IM) CN subsystem, stage 1"	
[28]	RFC 3261: "SIP: Session Initiation Protocol"	ı
[29]	3GPP TR 21.905: "Vocabulary for 3GPP Specifications"	
[30]	3GPP TS 26.233: "Packet Switched Streaming Service (PSS); General Description"	
[31]	3GPP TS 26.234: "Packet Switched Streaming Service (PSS); Protocols and Codecs"	

7.2.2 IP multimedia (IM) sessions

IP multimedia services are not the evolution of the circuit switched services but represent a new category of services, mobile terminals, services capabilities, and user expectations. Any new multimedia service, which may have a similar name or functionality to a comparable standardised service, does not necessarily have to have the same look and feel from the user's perspective of the standardised service. Voice communications (IP telephony) is one example of real-time service that would be provided as an IP multimedia application.

The following basic requirements are be supported for IP multimedia [27]:

- ?? IP multimedia session control shall be based on SIP [28].
- ?? All session scenarios shall be supported, i.e. Mobile Originating and Mobile Terminating sessions against Internet/Intranet, CS or IM Mobile, ISDN, PSTN call party.
- ?? MSISDN and SIP URL numbering and addressing schemes shall be supported.
- ?? IP multimedia applications shall as a principle, not be standardised, allowing service provider specific variations.

10.2 Emergency calls when attached to a CS CN Domain

PLMNs shall support an emergency call teleservice as defined in 3GPP TS 22.003 [14] (TS12).

10.3 Emergency <u>c</u>Calls when <u>a</u>Attached to a <u>D</u>data <u>Oo</u>nly <u>N</u>network

If an UE with voice capability attempts to make an emergency call while camping on a PLMN that does not support voice service to the UE, a new PLMN selection shall immediately take place, and the UE shall select the first available PLMN that supports emergency calls to the UE.

10.4 Emergency ccalls when aAttached to an IM CN subsystem

Emergency calls shall beare not supported when attached to via an IM CN subsystem as specified at chapter 10.1. If the UE does not recognise the emergency call MMI(s) (i.e. the dialled number is not stored in USIM/ME) but the serving network recognises the dialled number as an emergency call number used in the country then the IM CN subsystem shall inform the UE to use a CS CN domain for emergency services.

If UE is attached simultaneously to both CS domain and IM CN subsystem, the operator shall be able to specify, which domain is used by default for emergency calls.

For further information see [27].

Note 1: It shall be possible to enable compliance with regional regulatory requirements related to emergency calls.

Note 2: Other forms than speech for emergency services are for further study.