Source: **dynamicsoft**

Title: **CRs to 22.101 and 22.228 to correct obsolete SIP RFC references.**

Document for: **Decision**

Agenda Item: **7.1.2**

Doc-1st-	Spec	CR	R	Pha	Subject	C	Versi	Versi	Doc-2nd-	Workitem
SP-020126	22.101	093		R 5	Correction of references to obsolete SIP RFC 2543 IETF specification	F	5.4.0	5.4.0		IMS-CCR
SP-020126	22.228	013		R 5	Correction of references to obsolete SIP RFC 2543 IETF specification	F	5.4.0	5.5.0		IMS-CCR

3GPP TSG-SA Meeting #15   *Tdoc SP-020126*
Cheju, Korea, 11th – 14th March 2002

CR-Form-v5

CHANGE REQUEST

⌘   **22.101 CR 093**   ⌘ rev **-** ⌘ Current version: **5.4.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘   (U)SIM ☐   ME/UE **X**   Radio Access Network ☐   Core Network **X**

Title:	⌘	Correction of references to obsolete SIP RFC 2543 IETF specification
Source:	⌘	dynamicsoft

Work item code: ⌘	IMS-CCR	***Date:*** ⌘	2002-03-08

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)*

Reason for change:	⌘	The IETF IESG has approved the internet drafts RFC 2543bis as RFC 3261, which replaces the now obsolete SIP specification RFC 2543.
Summary of change:	⌘	References to RFC 2543 have been updated to refer to RFC 3261.
Consequences if not approved:	⌘	TS 22.101 will contain references to an obsolete version of the SIP specification and will be out of alignment with stage 3 specifications that are being updated to reference RFC 3261.

Clauses affected:	⌘	2.1

Other specs	⌘	**X**	Other core specifications	⌘ TS 22.228 (CR 013), TS 23.218, TS 24.228, TS 24.229, TS 23.207 (CR 025), TS 23.226 (CR 002), TS 23.228 (CR152), TS 26.235 (CR 004)
affected:		☐	Test specifications	
		☐	O&M Specifications	
Other comments:	⌘			

FIRST MODIFICATION

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.

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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 UMTS and GSM 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]   GSM 02.09: "Digital cellular telecommunications system (Phase 2+); 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.IM: "IP multimedia (IM) CN subsystem, stage 1"

[28]   RFC2543 3261: "SIP: Session Initiation Protocol"

[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"

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END OF MODIFICATION

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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.

7.2.4   Text Conversation

Global Text Telephony (GTT) is a feature that enables real-time text conversation [28].

- GTT enables real time, character by character, text conversation to be included in any conversational service, Circuit Switched as well as IP based.

- It is possible to use the text component in a session together with other media components, especially video and voice.

- Interworking with existing text telephony in PSTN as well as emerging forms of standardised text conversation in all networks is within the scope of this feature.

- The text media component can be included initially in the session, or added at any stage during the session.

- The text component is intended for human input and reading, and therefore supports human capabilities in text input speed. The character set support is suitable for the languages the users communicate in.

- GTT specifies limited interoperation with Multimedia Messaging Services including a possibility to divert to messaging in case of call failure and sharing user interface equipment and external UE interfaces.

<table>
<tr><td colspan="7" align="right"><i>CR-Form-v5</i></td></tr>
<tr><td colspan="7" align="center"><h1>CHANGE REQUEST</h1></td></tr>
</table>

⌘   **22.228 CR** 013   ⌘ rev **-** ⌘ Current version: **5.4.0** ⌘

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affected:	☐ Test specifications ☐ O&M Specifications	
Other comments:	⌘	

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2.1   Normative references

[1]   3GPP TS 22.003: " CS Teleservices supported by a PLMN".

[2]   3GPP TS 22.011: "Service Accessibility".

[3]   3GPP TS 22.060: "General Packet Radio Service (GPRS) stage 1".

[4]   3GPP TS 22.066: "Support of Mobile Number Portability (MNP)".

[5]   3GPP TS 22.101: "Service principles".

[6]   3GPP TS 22.105: "Services and Service Capabilities".

[7]   3GPP TS 22.121: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; The Virtual Home Environment"

[8]   3GPP TS 22.129: "Handover requirements between UMTS and GSM and other Radio Systems".

[9]   RFC2543 3261: "SIP: Session Initiation Protocol"

[10]   3GPP TS 22.078: "Customised Applications for Mobile network Enhanced Logic (CAMEL); Service definition - Stage 1"

[11]   3GPP TS 22.057: "Mobile Execution Environment (MExE); Service description, Stage 1"

[12]   3GPP TS 22.038: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1"

[13]   3GPP TS 22.127: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Stage 1 Service Requirement for the Open Service Access (OSA)

[14]   3GPP TR 21.905: "Vocabulary for 3GPP specifications"

END OF MODIFICATION

7.5.1   Identification of entities

Both telecom and internet numbering and addressing schemes shall be supported. IP multimedia communication establishment (both mobile originating and terminating) depending on originator shall be able to be based on E.164 (e.g. +1 23 456 789) or SIP URL (sip:my.name@company.org) [9].

It shall be possible for the network operator to use

- the same E.164 number for IP multimedia sessions and CS speech telephony (TS11) [1]

- a different E.164 number if desired for IP multimedia sessions

This allows customers who originally had only an E164 MSISDN to retain the same number for receiving communications in the IM domain and also in the CS domain when outside IM coverage.