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**Source:** SA1  
**Title:** CRs to 22.228 on Tel-URI related reference update (Rel-6, Rel-7)  
**Document for:** Approval  
**Agenda Item:** 7.1.3

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Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-27	SP-050060	22.228	028	-	Rel-6	F	Tel-URI related reference update	6.7.0	6.8.0	S1-050172
SP-27	SP-050060	22.228	029	-	Rel-7	A	Tel-URI related reference update	7.0.0	7.1.0	S1-050173

CR-Form-v7.1

## CHANGE REQUEST

⌘ **22.228 CR 028** ⌘ rev **-** ⌘ Current version: **6.7.0** ⌘

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

<b>Title:</b>	⌘ Tel-URI related reference update		
<b>Source:</b>	⌘ SA1 (Nokia)		
<b>Work item code:</b>	⌘ IMS2	<b>Date:</b>	⌘ 18/01/2005
<b>Category:</b>	⌘ F	<b>Release:</b>	⌘ Rel-6
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)	<b>Ph2</b> (GSM Phase 2)	
	<b>A</b> (corresponds to a correction in an earlier release)	<b>R96</b> (Release 1996)	
	<b>B</b> (addition of feature),	<b>R97</b> (Release 1997)	
	<b>C</b> (functional modification of feature)	<b>R98</b> (Release 1998)	
	<b>D</b> (editorial modification)	<b>R99</b> (Release 1999)	
	Detailed explanations of the above categories can be found in 3GPP <a href="http://www.3gpp.org/Specs/tr-21.900">TR 21.900</a> .		<b>Rel-4</b> (Release 4)
			<b>Rel-5</b> (Release 5)
			<b>Rel-6</b> (Release 6)
			<b>Rel-7</b> (Release 7)

<b>Reason for change:</b>	⌘ New RFC3966 "The tel URI for Telephone Numbers" ( <a href="http://www.ietf.org/rfc/rfc3966.txt?number=3966">http://www.ietf.org/rfc/rfc3966.txt?number=3966</a> ) is published.
<b>Summary of change:</b>	⌘ Reference to an obsolete RFC replaced. In line with the change in the RFC name, two occurrences of term "URL" replaced with "URI".
<b>Consequences if not approved:</b>	⌘ Reference to an obsolete RFC 2806 in TS22.228.

<b>Clauses affected:</b>	⌘ 2, 7.5.1										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td>X</td> <td></td> </tr> <tr> <td></td> <td>X</td> </tr> <tr> <td></td> <td>X</td> </tr> </table>	Y	N	X			X		X	Other core specifications	⌘ 23.228, 24.229
Y	N										
X											
	X										
	X										
		Test specifications									
		O&M Specifications									
<b>Other comments:</b>	⌘										

### 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.

\*\*\* Start 1<sup>st</sup> 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 22.003: “ CS Teleservices supported by a PLMN”.
- [2] Void
- [3] Void
- [4] Void
- [5] 3GPP TS 22.101: “Service principles”.
- [6] Void
- [7] 3GPP TR 22.121: “3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Services and System Aspects; The Virtual Home Environment”
- [8] Void
- [9] RFC 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: “3<sup>rd</sup> 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: “3<sup>rd</sup> 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”
- ~~[15] RFC2806: “URLs for telephone calls”~~
- [15] [RFC3966: “The tel URI for Telephone Numbers”](#)
- [16] 3GPP TS 22.240: “3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Services and System Aspects; Service Aspects; Stage 1 Service Requirement for the 3GPP Generic User Profile (GUP)”

\*\*\* Start 2<sup>nd</sup> Modification \*\*\*

## 7.5 Invoking an IP multimedia session

The user shall be able to invoke one or more IP multimedia sessions. The user shall also be able to activate concurrent IP multimedia applications within each IP multimedia session.

### 7.5.1 Identification of entities

Both telecom and internet numbering and addressing schemes shall be supported as public identities. IP multimedia communication establishment (both mobile originating and terminating) depending on originator shall be able to be based on E.164/TEL-~~URL~~-URI (e.g. tel:+4412345678) [15] or SIP-~~URL~~-URI (sip:my.name@company.org) [9]. It shall be possible to assign several public identities for one subscription.

Public identities shall be administered by the network operator and shall not be changeable by the user.

It shall be possible for the network operator to guarantee the authenticity of a public identity presented for an incoming call to a user where the call is wholly within that operator's network (i.e. originating and terminating parties are subscribers to, and resident in, a single PLMN). This is equivalent to the situation for CLIP with today's telephony networks.

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.

\*\*\* End Modifications \*\*\*

CR-Form-v7.1

## CHANGE REQUEST

⌘ **22.228 CR 029** ⌘ rev **-** ⌘ Current version: **7.0.0** ⌘

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

<b>Title:</b>	⌘ Tel-URI related reference update		
<b>Source:</b>	⌘ SA1 (Nokia)		
<b>Work item code:</b>	⌘ IMS2	<b>Date:</b>	⌘ 18/01/2005
<b>Category:</b>	⌘ A	<b>Release:</b>	⌘ Rel-7
	Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="http://www.3gpp.org/Specs/tr-21.900">TR 21.900</a> .		Use <u>one</u> of the following releases: Ph2 (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) Rel-7 (Release 7)

<b>Reason for change:</b>	⌘ New RFC3966 "The tel URI for Telephone Numbers" ( <a href="http://www.ietf.org/rfc/rfc3966.txt?number=3966">http://www.ietf.org/rfc/rfc3966.txt?number=3966</a> ) is published.
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Y	N										
X											
	X										
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Whilst not required for routing between mobiles within the IMS, it should be possible for the mobile network to recognise and treat URIs, containing 'IM' or 'Pres' prefixes, received from other networks supporting such prefixes.

Whilst not required for routing between mobiles within the IMS, it should be possible to append an 'IM' or 'Pres' prefix to an outgoing URI to enable routing to the correct addressee in external networks supporting such prefixes.

Public identities shall be administered by the network operator and shall not be changeable by the user.

It shall be possible for the network operator to guarantee the authenticity of a public identity presented for an incoming call to a user where the call is wholly within that operator's network (i.e. originating and terminating parties are subscribers to, and resident in, a single PLMN). This is equivalent to the situation for CLIP with today's telephony networks.

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\*\*\* End Modifications \*\*\*