
Source: SA1
Title: CR 22.101 Service principles Rel.5 on Service change and fallback for UDI/RDI multimedia calls
Document for: Approval
Agenda Item: 7.1.3

SA Doc	Spec	CR	Rev	Phase	Cat	Subject	Old Vers	New Vers	SA1 Doc
SP-020052	22.101	087		Rel-5	B	CR 22.101 Rel.5 B Service change and fallback for UDI/RDI multimedia calls	5.4.0	5.5.0	S1-020609

CR-Form-v4

CHANGE REQUEST

⌘ **22.101 CR 087** ⌘ ev - ⌘ Current version: **5.4.0** ⌘
Spec Title: Service Principles ⌘

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 Radio Access Network Core Network

Title:	⌘ Service change and fallback for UDI/RDI multimedia calls		
Source:	⌘ SA1		
Work item code:	⌘ SCUDIF	Date:	⌘ 2002-02-13
Category:	⌘ B	Release:	⌘ REL-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	2	(GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R96	(Release 1996)
	B (addition of feature),	R97	(Release 1997)
	C (functional modification of feature)	R98	(Release 1998)
	D (editorial modification)	R99	(Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900.	REL-4	(Release 4)
		REL-5	(Release 5)

Reason for change:	⌘ The service change and fallback for UDI/RDI multimedia calls (WI "service change and UDI fallback" from CN3) is not covered in the specification
Summary of change:	⌘ Service change and fallback for UDI/RDI multimedia calls added; privacy aspects linked to service change to multimedia added.
Consequences if not approved:	⌘ Information related to the work item is missing from the specification

Clauses affected:	⌘ 7.2.1	
Other specs affected:	⌘ <input checked="" type="checkbox"/> Other core specifications	⌘ TR 23.972, TS 24.008, TS 27.001, TS 29.007
	<input type="checkbox"/> Test specifications	
	<input type="checkbox"/> O&M Specifications	
Other comments:	⌘ This change is consistent with the other core specifications, which are already approved in their respective working groups (N1, N3).	

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.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 modified section *******7.2.1 Circuit Switched (CS) multimedia calls**

The following basic requirements are to be supported for CS multimedia [24]:

- CS multimedia shall be based on a 3GPP specific subset of H.324M.
- All call scenarios shall be supported, i.e. Mobile Originating and Mobile Terminating call against Mobile, ISDN and PSTN call party.
- Single and multiple numbering schemes shall be supported.
- Fallback to speech (TS 11 [14]) shall be supported from 3.1kHz Ext. PLMN multimedia bearer, i.e. if setup of the multimedia call fails the call will be set up as a speech call.
- Service change and fallback shall be supported for UDI/RDI multimedia bearer and speech, to allow fallback to a less preferred service if the preferred service is unsupported, and to change the service between speech and multimedia during the call.
- CS Multimedia call is a Bearer Service, which utilises Synchronous Transparent Data service.
- Different bitrates as specified at 22.002 [21] shall be supported.
- Supplementary services apply to multimedia calls as for Synchronous Transparent Data service according to 22.004[5].
- When accepting a multimedia call with service change, the user shall be able to request a service change to speech before the call is answered, such that the multimedia path is never actually connected through to the user's phone;
- The user shall be able to deny a service change to multimedia during the call.

***** End of modified section *****