Meeting #22, Hawaii, USA, 15-18 December 2003

Agenda item: 4, 7.1.3

CHANGE REQUEST											
*	22	.101	CR		жrev	-	¥	Current ver	sion:	6.5.0	*
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the # symbols.											
Proposed change	affec	ts:	UICC apps	#	ME X	Rad	lio Ac	cess Netwo	ork X	Core Ne	etwork X
Title:	Ser Ser	vice c	hange from	UDI bear	er service	e to vo	oice (coverage tr	iggere	d)	
Source: #	Ora	inge									
Work item code: ₩	То	be de	termined					Date: 3	€ 09/	12/2003	
Category: #	Deta be fo	Use <u>one</u> 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.							(GSM (Relea (Relea (Relea (Relea (Relea (Relea	llowing rel 1 Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 4) ase 5) ase 6)	
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Summary of chang	ge: ૠ	Serv	rice change	from UDI	bearer se	ervice	to vo	oice coveraç	ge trigg	jered	
Consequences if not approved:	¥		user exper bearer ser		be very p	oor wh	nen u	sing Video	Teleph	ony serv	ice upon
<u> </u>	0.0	7.0									
Clauses affected: Other specs Affected:	**	7.2.1 Y N X X	Other cor Test spec	ifications		¥					
Other comments:	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 \(\mathcal{H} \) 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.

7.2.1 Circuit Switched (CS) multimedia calls

The following basic requirements are 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 3GPP TS 22.002 [21] shall be supported.
- Supplementary services apply to multimedia calls as for Synchronous Transparent Data service according to 3GPP TS 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.

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- Service change shall be supported from UDI bearer to speech if coverage conditions degrade to the point that preferred service is no longer supported. Service change shall occur automatically and prior to preferred service loss. Service change back to UDI 64 kbps bearer should be supported upon appropriate coverage recovery.
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