Technical Specification Group Services and System Aspects

TSGS#22(03)0740

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

Agenda item: 4, 7.1.3

CHANGE REQUEST		
¥	22.101 CR # rev - # Cu	rrent version: 5.11.0 [#]
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# MEX Radio Access Network X Core Network X		
Title: ដ	Service change from UDI bearer service to voice (cov	verage triggered)
Source: ೫	Orange	
Work item code: ℜ	To be determined	Date: 米 09/12/2003
Category: ¥	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 <u>TR 21.900</u> .	is eventually dropped. Circuit rer service) suffers from a lower s AMR). As such, uncovered perator networks (e.g. within rice loss would not provide
Summary of chang	ge: # Service change from UDI bearer service to voice	e coverage triggered
Consequences if not approved:	 # End user experience will be very poor when usin UDI bearer service 	ng Video Telephony service upon
Clauses affected: Other specs Affected: Other comments:	% 7.2.1 % X % X Test specifications % X O&M Specifications % X % X	

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <u>ftp://ftp.3gpp.org/specs/</u> 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.
- 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.
- 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.