Source:	SA1
Title:	CR to 22.243 on Speech recognition framework for automated voice services (ReI-6)
Document for:	Approval
Agenda Item:	7.1.3

Meeti ng	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Curre nt	Vers New	SA1 Doc
SP-21	SP-030468	22.243	007	-	Rel-6	В	Reconstructed speech as an output mechanism	6.3.0	6.4.0	S1-030974

CHANGE REQUEST											
ж	22.243	CR 007	жrev	- % (Current versi	^{ion:} 6.3.0	ж				
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 M ME Radio Access Network Core Network X											
Title: ೫	Reconstru	ucted speech as a	an output mec	nanism							
Source: ೫	SA1										
Work item code: %	SRSES				Date: ೫	10/07/2003					
Category: ₩	B Use <u>one</u> of F (cor A (cor B (add C (fun D (edi Detailed ex be found in	the following catego rection) responds to a corre dition of feature), ctional modification torial modification) blanations of the ab 3GPP <u>TR 21.900</u> .	ories: action in an earli of feature) ove categories	<i>er release)</i> can	Release: % Use <u>one</u> of 2 R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	Rel-6 the following rele (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	pases:				
Reason for change.	:	e are use cases t	hat benefit fro	<mark>m the abil</mark>	ity to record	reconstructed	speech.				
Summary of change	e: # Addi servi	tion of reconstruc ces.	ted speech as	an outpu	t mechanism	for speech en	abled				
Consequences if not approved:	ж										
Clauses affected:	<mark>೫ Cha</mark>	oter 5.									
Other specs Affected:	¥ N 第 X ス ス	Other core spec Test specificatic O&M Specificati	ifications ns ons	ж							
Other comments:	ж										

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.

5 UE and network capabilities

In addition to the capabilities required for IMS Basic Voice session (such as the default voice codec that will be used for the downlink audio prompt stream), the following SRF-based automated voice service-specific capabilities shall be required in the UE and network:

- A default uplink codec (conventional codec or DSR optimized codec).
- A downlink conventional codec and downlink streaming capabilities (simultaneous with uplink)
- The capability to transmit keypad information from the client to the server (e.g., either DTMF or the keypad string)
- The capability to reconstruct encoded speech. The reconstruction requirement does not apply to the UE.

It shall be possible to enable application specific information exchanges between the client and the server (e.g. client events (e.g. barge-in events), display information, etc...), in the form of speech meta-information. It shall be possible to enable these exchanges with conversational QoS.

SRF shall be supported by an uplink channel available in GERAN and UTRAN networks for the transport of the codec payload and with QoS (Quality of Service) for conversational class, streaming and interactive QoS services as specified in TS 22.105 [4].

It shall be possible for the network to distinguish a SRF session from a basic voice session (e.g. for charging purposes).