Technical Specification Group Services and System Aspects **TSGS#15(02)0083** Meeting #15, Cheju Island, Korea, 11-14 March 2002

Source: TSG-SA WG4

Title: CR to TS 26.191 on " Error concealment of high band gain in 23.85 kbit/s mode " (Release 5)

Document for: Approval

Agenda Item: 7.4.3

The following CR, agreed at the TSG-SA WG4 meeting #20, is presented to TSG SA #15 for approval.

Spec	CR	Rev	Phase	Subject	Cat	Vers	WG	Meeting	S4 doc
26.191	001			Error concealment of high band gain in 23.85 kbit/s mode	F	5.0.0	S4	TSG-SA WG4#20	S4-020173

* TS 2	2 <mark>6.191</mark>	CR <mark>001</mark>	ж rev	¥ _	Current version	^{on:} 5.0.0 [#]			
For HELP on using this form, see bottom of this page or look at the pop-up text over the # symbols.									
Proposed change affects: # (U)SIM ME/UE X Radio Access Network Core Network X									
Title: ¥	Error cond	cealment of hig	h-band gain	<mark>n 23.85 kbit</mark>	/s mode				
Source: ೫	<mark>TSG SA V</mark>	VG4							
Work item code: 🕱 🔤	AMRWB				Date: ೫	2002-03-11			
D	Ise <u>one</u> of t F (corr A (corr B (ada C (fund D (edit retailed exp	the following cate rection) responds to a co lition of feature), ctional modification corial modification planations of the 3GPP <u>TR 21.900</u>	rrection in an e ion of feature) n) above categor		2 () R96 (R97 (R98 (R99 (REL-4 (REL-5 he following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5)			
Reason for change: # There is no substitution procedure for high-band energy parameter (mode 23.85 kbit/s).									
Summary of change	;	titution and mu	iting procedu	r <mark>e is added f</mark>	or high-band	energy parameter.			
Consequences if not approved:		d frame substit leter is extracte				ain parameter. That sed as such.			
Clauses affected:	策 Addit	ion of chapter	6.2.5.						
Other specs affected:	Τe	her core specifest specification	าร	ж <mark>ТS 26.1</mark>	73				
Other comments:	ж								

6.2.4 Innovation sequence

When RX_FRAMETYPE = SPEECH_BAD, the received fixed codebook innovation pulses from the erroneous frame are used as they are received.

When RX_FRAMETYPE = SPEECH_LOST, the received fixed codebook innovation pulses from the erroneous frame are not used and the fixed codebook innovation vector is filled with random signal (values limited to range [-1, +1]).

6.2.5 High-band gain (for 23.85 kbit/s mode)

When RX_FRAMETYPE = SPEECH_BAD or RX_FRAMETYPE = SPEECH_LOST the received high-band energy parameter of the frame is not used and the estimation for the high-band gain is used instead. This means that in case of bad/lost speech frames, the high-band reconstruction operates in the same way for all the modes.