TSGS#13(01)0453

Technical Specification Group Services and System Aspects Meeting #13, Beijing, China, 24-27 September 2001

Source: TSG-SA WG4

Title: CRs to TS 26.131 Introduction of ANR tolerance of 3 dB

(R99, Release 4 and Release 5)

Document for: Approval

Agenda Item: 7.4.3

The following CRs, agreed at the TSG-SA WG4 meeting #18, are presented to TSG SA #13 for approval.

Spec	CR	Rev	Phase	Subject	Cat	Vers	WG	Meeting	S4 doc
26.131	007	1	R99	Introduction of ANR	F	3.2.0	S4	TSG-SA WG4#18	S4-010543
				tolerance of 3 dB					
26.131	800		REL-4	Introduction of ANR	Α	4.0.0	S4	TSG-SA WG4#18	S4-010544
				tolerance of 3 dB					
26.131	009		REL-5	Introduction of ANR	Α	5.0.0	S4	TSG-SA WG4#18	S4-010545
				tolerance of 3 dB					

3GPP TSG-SA4 Meeting #18 S4#18, Erlangen, Germany, Sept. 3-7, 2001

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CHANGE REQUEST													CR-Form-v3		
*	26	.131	CR	007		¥ I	rev	1	Ж	Curre	ent ver	sion:	3.2	2.0	*
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 affects: (U)SIM ME/UE X Radio Access Network Core Network															
Title: #	Intr	oducti	on of A	NR tole	erance	of 3d	IB								
Source: #	# TSG SA WG4														
Work item code: ₩	TE									E	Date: 3	8 24	-Sep-	2001	
Category: Ж	F									Rele	ase: 🖁	R9	9		
Use one of the following categories:Use one of the following releaseF (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)											eases:				
Reason for change	e: #	Curr	ent AN	IR requi	iremen	t unre	ealist	ic.							
Summary of chang		As per recent experience on measurement accuracy a tolerance of 3 dB from the nominal value of ANR requirement, as per §7.9 of TS 26.131 v3.2.0 is requested to be allowed.													
Consequences if not approved:	*	Current ANR requirements may be met only by handsets unacceptably large from the perspective of market requirements, or by voice processing which produces a net reduction in speech intelligibility. Based on recent experience, introduction of 3dB tolerance to the nominal ANR requirement permits a more optimal trade-off in voice processing and between terminal size and shape than does the nominal value.													
Clauses affected:	ж														
Other specs Affected:	ж	Te	est spe	ore spece ecification ecificat	ons	ons	Ж								
Other comments:	\mathfrak{R}														

5.9 Ambient Noise Rejection

Handset and Headset UE:

The nature of mobile telephony is such that the UE will typically be operated in high ambient acoustic noise. Due to the adverse interaction of noise signals with speech codecs operating at lower rates, for example 8kbit/s or less, a minimum noise rejection specification is required.

The UE ambient noise rejection ANR, calculated as a Single Figure DELSM (SFDELSM) shall be greater than or equal to the nominal value of 00 dB. For good performance, it is recommended that a figure of +3 dB should be achieved. The UE ambient noise rejection ANR, calculated as a Single Figure DELSM (SFDELSM) shall be greater than or equal to 3 dB. Due to the uncertainty inherent in the measurement method for ANR, a 32dB tolerance is allowed on the nominal value in this figure.

For good performance, it is recommended that a figure of +3 dB should be achieved.

Compliance shall be checked by the relevant test described in 3GPP TS 26.132.

Hands-free UE (all categories):

For further study.

3GPP TSG-SA4 Meeting #18 S4#18, Erlangen, Germany, Sept. 3-7, 2001

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