## 3GPP TSG-S4#10/SMG11#15 Helsinki, Finland, February 28- March 03, 2000

## Document **\$4-000185**

e.g. for 3GPP use the format TP-99xxx or for SMG, use the format P-99-xxx

			CHANGE REQUEST				Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.				
		03.50	3.50 CR A019		Current Version: 5.3.1						
GSM (AA.BB) or 3G (AA.BBB) specification number ↑											
For submission list expected approva	al me	eting # here ↑	for info	for information				strategic (for SMG use only)			
Form: CR cover sheet, version 2 for 3GPP and SMG  The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc  Proposed change affects: (at least one should be marked with an X)  The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc  USIM  ME  UTRAN / Radio  Core Network											
Source: Alca		Alcatel						Date:	02/03/00		
Subject: addition of a new optional artificial ear Type for acoustic tests											
Work item:		TEI									
Category:  (only one category shall be marked with an X)	F A B C D	Addition of	modification of fe		rlier releas	se x		ease:	Phase 2 Release Release Release Release	97 98 99	
Reason for change:		be not appro	design evolution oppriate. The intro s to get closer to	duction	of the Type						
Clauses affected: B.4.1											
Other specs affected:	N E		cifications	S X -	→ List of (	CRs: CRs: CRs:	CR on 1	1.10			
Other comments:	3 e T	3.3 or 3.4 arti ear.	the ITU-T Reconficial ear if the ea	ar piece s	shape is no	ot suital	ble for th	е Туре	e 1 or 3.2 a	artificial	
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<----- double-click here for help and instructions on how to create a CR.

## B.4 Test arrangement

## B.4.1 Electro-acoustic equipment

Artificial mouth: unless specified otherwise, the artificial mouth shall conform to ITU-T Recommendation P.51 [38].

Artificial ear: the ITU-T Recommendation P.57 [46] Type 1 shall be used.

If requested by the terminal supplier, the ITU-T Recommendation P.57 [46] Type 3.2 artificial ear shall be used for all tests. In this case the following apply:

- the low leakage option of Type 3.2 artificial ear shall be adopted;
- the force against the ear shall be as specified in ITU-T Recommendation P.57 [46];

sound pressure measurements shall be referred to the ERP as specified in ITU-T Recommendation P.57 [46];

- no leakage correction shall be made in the calculation of RLR (i.e.  $L_{\rm E}$ =0).

If requested by the terminal supplier, the ITU-T Recommendation P.57 [46] Type 3.4 artificial ear may be used. The positioning is defined in ITU-T Recommendation P.64.

The test report shall indicate the type of artificial ear used for the receive tests.

**HATS:** when a HATS is used, it shall conform to ITU-T Recommendation P.58. In such a case, all the sending and receiving characteristics shall be tested with the HATS and it shall be indicated in the test report that the HATS was used.