

TSG RAN Meeting #19
Birmingham, United Kingdom, 11 - 14 March, 2003

RP-030032

Title CRs (Rel-4 and Rel-5 Category A) to TS 25.101
Source TSG RAN WG4
Agenda Item 8.4.4

RAN4 Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R4-020321	25.101	227		F	Rel-4	4.6.0	Correction to PCH demodulation test	TEI4
R4-020322	25.101	228		A	Rel-5	5.5.0	Correction to PCH demodulation test	TEI4

CHANGE REQUEST

⌘ **25.101 CR 227** ⌘ rev ⌘ Current version: **4.6.0** ⌘

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 ME Radio Access Network Core Network

Title:	⌘ Correction of PCH demodulation test		
Source:	⌘ RAN WG4		
Work item code:	⌘ TEI4	Date:	⌘ 05/03/2003
Category:	⌘ F	Release:	⌘ Rel-4
	<i>Use <u>one</u> of the following categories:</i> 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 TR 21.900 .		<i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ In the current version of 25.101 in Section the requirement PICH Ec/lor power in Paging Channel Demodulation test, in Section 8.12, is defined for Tests 1 and 2 followingly: PICH_Ec/lor Test 1 -19.2 Test 2 -12.2 The signaling for PICH power given in 25.331v4.8.0 in Section 10.3.6.50 determines that the PICH power is defined in relation to Primary CPICH at integer dB offset varying from -10 to +5. Currently here exist a missalignment between the requirement and valid power definitions of PICH. Due to this the existing requirement for PCH cannot be tested. Isolated Impact This CR corrects the value of PICH_Ec/lor in PCH demodulation test. Therefore, it does not have any impact on any other requirements or implementations.
Summary of change:	⌘ The PICH Ec/lor power is rounded to closest valid value.
Consequences if not approved:	⌘ The requirement for PCH demodulation can not be tested.

Clauses affected:	⌘ 8.12								
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;"> </td> </tr> </table> Other core specifications	Y	N		X	X		⌘	34.121
Y	N								
	X								
X									

O&M Specifications

Other comments: ⌘

Equivalent CRs in other Releases: CR228 cat. A to 25.101 v5.5.0

How to create CRs using this form:

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

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 <ftp://ftp.3gpp.org/specs/> 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.

8.12 Demodulation of Paging Channel (PCH)

The receiver characteristics of paging channel are determined by the probability of missed paging message (P_{m-p}). PCH is mapped into the S-CCPCH and it is associated with the transmission of Paging Indicators (PI) to support efficient sleep-mode procedures.

8.12.1 Minimum requirement

For the parameters specified in Table 8.42 the average probability of missed paging (P_{m-p}) shall be below the specified value in Table 8.43. Power of downlink channels other than S-CCPCH and PICH are as defined in Table C.3 of Annex C. S-CCPCH structure is as defined in Annex A.6.

Table 8.42: Parameters for PCH detection

Parameter	Unit	Test 1	Test 2
Number of paging indicators per frame (N_p)	-	72	
Phase reference	-	P-CPICH	
I_{oc}	dBm/3.84 MHz	-60	
\hat{I}_{or}/I_{oc}	dB	-1	-3
Propagation condition		Static	Case 3

Table 8.43: Test requirements for PCH detection

Test Number	S-CCPCH E_c/I_{or}	PICH E_c/I_{or}	P_{m-p}
1	-14.8	-19.2	0.01
2	-9.8	-12.2	0.01

CHANGE REQUEST

⌘ **25.101 CR 228** ⌘ rev ⌘ Current version: **5.5.0** ⌘

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 ME Radio Access Network Core Network

Title:	⌘ Correction of PCH demodulation test		
Source:	⌘ RAN WG4		
Work item code:	⌘ TEI4	Date:	⌘ 05/03/2003
Category:	⌘ A	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (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)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ In the current version of 25.101 in Section the requirement PICH Ec/lor power in Paging Channel Demodulation test, in Section 8.12, is defined for Tests 1 and 2 followingly: <div style="margin-left: 40px;">PICH_Ec/lor</div> <div style="margin-left: 40px;">Test 1 -19.2</div> <div style="margin-left: 40px;">Test 2 -12.2.</div> <p>The signaling for PICH power given in 25.331v4.8.0 in Section 10.3.6.50 determines that the PICH power is defined in relation to Primary CPICH at integer dB offset varying from -10 to +5. Currently here exist a missalignment between the requirement and valid power definitions of PICH. Due to this the existing requirement for PCH cannot be tested.</p> <p>Isolated Impact This CR corrects the value of PICH_Ec/lor in PCH demodulation test. Therefore, it does not have any impact on any other requirements or implementations.</p>
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	Y	N							
	X								
X									
		Test specifications	⌘ 34.121						

O&M Specifications

Other comments: ⌘

Equivalent CRs in other Releases: CR227 cat. F to 25.101 v4.6.0

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