

**TSG RAN Meeting #13**  
**Beijing, China, 18-21 September 2001**

**RP-010626**

**Title: CRs (Rel-4) to TS 25.104**

**Source TSG RAN WG4**

**Agenda item: 8.4.4**

<b>RAN4 Tdoc</b>	<b>Spec</b>	<b>CR</b>	<b>Title</b>	<b>Cat</b>	<b>Phase</b>	<b>Curr Ver</b>	<b>New Ver</b>
R4-010852	25.104	86	RACH measurement channel definition	F	Rel-4	4.1.0	4.2.0

**CHANGE REQUEST**

⌘ **25.104 CR 86** ⌘ ev **-** ⌘ Current version: **4.1.0** ⌘

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  Radio Access Network  Core Network

<b>Title:</b>	⌘ RACH measurement channel definition.		
<b>Source:</b>	⌘ RAN WG4		
<b>Work item code:</b>	⌘ TEI4	<b>Date:</b>	⌘ 2001-07-03
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-4
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		<b>2</b> (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		<b>R96</b> (Release 1996)
	<b>B</b> (addition of feature),		<b>R97</b> (Release 1997)
	<b>C</b> (functional modification of feature)		<b>R98</b> (Release 1998)
	<b>D</b> (editorial modification)		<b>R99</b> (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u> .		<b>REL-4</b> (Release 4)
			<b>REL-5</b> (Release 5)

<b>Reason for change:</b>	⌘ RACH measurement channel is currently not defined.
<b>Summary of change:</b>	⌘ Adding a table with RACH measurement channel definition in annex A.
<b>Consequences if not approved:</b>	⌘ RACH testcases can not be performed due to missing RACH measurement channel definition in the core specification 25.104 v.4.1.0.

<b>Clauses affected:</b>	⌘ New clause A.7 in Annex A.	
<b>Other specs affected:</b>	⌘ <input type="checkbox"/> Other core specifications	⌘ 3GPP TS 25.141 V.4.1.0 (2001-06)
	<input checked="" type="checkbox"/> Test specifications	
	<input type="checkbox"/> O&M Specifications	
<b>Other comments:</b>	⌘	

**How to create CRs using this form:**

Comprehensive information and tips about how to create CRs can be found at: [http://www.3gpp.org/3G\\_Specs/CRs.htm](http://www.3gpp.org/3G_Specs/CRs.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.

## A.7 Reference measurement channels for UL RACH

The parameters for the UL RACH reference measurement channels are specified in Table A.7.

**Table A.7: Reference measurement channels for UL RACH**

<u>Parameter</u>		<u>Unit</u>	
RACH	<u>CRC</u>	<u>16</u>	<u>bits</u>
	<u>Channel Coding</u>	<u>Rate ½ conv. coding</u>	
	<u>TTI</u>	<u>20</u>	<u>ms</u>
	<u>TB size</u>	<u>168, 360</u>	<u>bits</u>
	<u>Rate Matching</u>	<u>Repetition</u>	
	<u>Number of diversity antennas</u>	<u>2</u>	
	<u>Preamble detection window size</u>	<u>256</u>	<u>chips</u>
<u>Power ratio of RACH Control/Data TB = 168</u>		<u>-2.69</u>	<u>dB</u>
<u>Power ratio of Control/Data TB = 360</u>		<u>-3.52</u>	<u>dB</u>