

**TSG-RAN Meeting #14**  
**Kyoto, Japan, 11 - 14 December 2001**

**RP-010767**

**Title:** Agreed CRs (Release '99 and Rel-4 category A) to TS 25.331 (5)  
**Source:** TSG-RAN WG2  
**Agenda item:** 8.2.3

Doc-1st-	Status-	Spec	CR	Rev	Phase	Subject	Cat	Version	Versio
R2-012754	agreed	25.331	1221		R99	Correction of rate matching restriction function	F	3.8.0	3.9.0
R2-012768	agreed	25.331	1222		Rel-4	Correction of rate matching restriction function	A	4.2.1	4.3.0

CR-Form-v4

## CHANGE REQUEST

⌘ **25.331 CR 1221** ⌘ ev **-** ⌘ Current version: **3.8.0.** ⌘

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>	⌘ Correction of rate matching restriction function		
<b>Source:</b>	⌘ TSG-RAN WG2		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 2001-11-25
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)	<b>R96</b>	<b>2</b> (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)	<b>R97</b>	(Release 1996)
	<b>B</b> (addition of feature),	<b>R98</b>	(Release 1997)
	<b>C</b> (functional modification of feature)	<b>R99</b>	(Release 1998)
	<b>D</b> (editorial modification)	<b>REL-4</b>	(Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900.	<b>REL-5</b>	(Release 4)
			(Release 5)

<b>Reason for change:</b>	⌘ The UE behaviour on receiving the IE "Downlink rate matching restriction" is not correctly specified, and does not result in the desired UE behaviour.
<b>Summary of change:</b>	⌘ It is proposed that the if the UE receives the IE "Downlink rate matching restriction" then it is considered an invalid configuration. ⌘ <b>Impact analysis:</b>  <u>Impacted functionality:</u> Configuration of "Downlink rate matching restriction"  <u>Correction:</u> Correction to a function where specification was not correctly specified in release 99. Would not affect implementations behaving like indicated in the CR, would affect implementations supporting the corrected functionality otherwise.
<b>Consequences if not approved:</b>	⌘ Release 99 will contain a function that is correctly specified, and does not result in the desired UE behaviour.

<b>Clauses affected:</b>	⌘ 8.6.6.28		
<b>Other specs affected:</b>	⌘ <input type="checkbox"/> Other core specifications	⌘ 25.331 v4.2.1, CR 1222	
	<input 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.

### 8.6.6.28 Downlink DPCH info common for all radio links

If the IE "Downlink DPCH info common for all radio links" is included the UE shall:

- perform actions for the IE "Timing indicator" as specified in subclause 8.5.15.2;
- ignore the value received in IE "CFN-targetSFN frame offset";
- if the IE "Downlink DPCH power control information" is included:
  - perform actions for the IE "DPC Mode" according to [29];
- if the IE choice "mode" is set to 'FDD':
  - if the IE "Downlink rate matching restriction information" is included:
    - ~~— perform downlink rate matching based on the TFCs composed of 'all the TFIs of the non-restricted Transport channel' and 'allowed TFIs in the restricted Transport channel' within given TFCS;~~
    - ~~— set the variable INVALID\_CONFIGURATION to TRUE;~~
    - ~~— if the IE "Downlink rate matching restriction information" is not included:~~
      - ~~— cancel all the transport format restrictions if any and initiate the downlink rate matching based on all the TFCs in given TFCS;~~
  - perform actions for the IE "spreading factor";
  - perform actions for the IE "Fixed or Flexible position";
  - perform actions for the IE "TFCI existence";
  - if the IE choice "SF" is set to 256:
    - store the value of the IE "Number of bits for pilot bits";
  - if the IE choice "SF" set to 128:
    - store the value of the IE "Number of bits for pilot bits";
- if the IE choice "mode" is set to 'TDD':
  - perform actions for the IE "Common timeslot info".

If the IE "Downlink DPCH info common for all radio links" is included in a message used to perform a Timing re-initialised hard handover, and ciphering is active for any radio bearer using RLC-TM, the UE shall, after having activated the dedicated physical channels indicated by that IE:

- increment HFN for RLC-TM by '1'.

## CHANGE REQUEST

⌘ **25.331 CR 1222** ⌘ ev **-** ⌘ Current version: **4.2.1.** ⌘

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>	⌘ Correction of rate matching restriction function		
<b>Source:</b>	⌘ TSG-RAN WG2		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 2001-11-25
<b>Category:</b>	⌘ <b>A</b>	<b>Release:</b>	⌘ REL-4
	<i>Use one of the following categories:</i> <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	<i>Use one of the following releases:</i> <b>2</b> (GSM Phase 2) <b>R96</b> (Release 1996) <b>R97</b> (Release 1997) <b>R98</b> (Release 1998) <b>R99</b> (Release 1999) <b>REL-4</b> (Release 4) <b>REL-5</b> (Release 5)	

<b>Reason for change:</b>	⌘ The UE behaviour on receiving the IE "Downlink rate matching restriction" is not correctly specified, and does not result in the desired UE behaviour.
<b>Summary of change:</b>	⌘ It is proposed that the if the UE receives the IE "Downlink rate matching restriction" then it is considered an invalid configuration. † <b>Impact analysis:</b>  <u>Impacted functionality:</u> Configuration of "Downlink rate matching restriction"  <u>Correction:</u> Correction to a function where specification was not correctly specified in release 99. Would not affect implementations behaving like indicated in the CR, would affect implementations supporting the corrected functionality otherwise.
<b>Consequences if not approved:</b>	⌘ The spec will contain a function that is correctly specified, and does not result in the desired UE behaviour.

<b>Clauses affected:</b>	⌘ 8.6.6.28		
<b>Other specs affected:</b>	⌘ <input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘	25.331 v3.8.0, CR 1221
<b>Other comments:</b>	⌘		

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