

TSG-RAN Meeting #10
Bangkok, Thailand, 6 - 8 December 2000

RP-000588

Title: Agreed CRs to TS 25.105

Source: TSG RAN WG4

Agenda Item:5.4.3

Tdoc Num	TS	CR number	Title	Type	Status	Cur Ver	New Ver
R4-000982	25.105	46	Correction for 25.105 concerning the channel number calculation.	F	agreed	3.4.0	3.5.0
R4-000967	25.105	47	Correction to reference measurement channels	F	agreed	3.4.0	3.5.0

Sophia, France 13th - 17th November 2000

CR-Form-v3

CHANGE REQUEST⌘ **25.105** CR 46 ⌘ rev **-** ⌘ Current version: **3.4.0** ⌘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 **Title:** ⌘ **Correction for 25.105 concerning the channel number calculation.****Source:** ⌘ RAN WG4**Work item code:** ⌘**Date:** ⌘**Category:** ⌘ **F****Release:** ⌘ R99Use one of the following categories:**F** (essential 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.

Use one of the following releases:**2** (GSM Phase 2)**R96** (Release 1996)**R97** (Release 1997)**R98** (Release 1998)**R99** (Release 1999)**REL-4** (Release 4)**REL-5** (Release 5)**Reason for change:** ⌘ Obvious error in the calculation formula for the calculation of the channel number.**Summary of change:** ⌘ Deletion of the unit MHz**Consequences if not approved:** ⌘ Incorrect channel number**Clauses affected:** ⌘ 5.4.3**Other specs** ⌘ Other core specifications ⌘**Affected:** Test specifications O&M Specifications**Other comments:** ⌘

5.4 Channel arrangement

5.4.1 Channel spacing

The nominal channel spacing is 5 MHz, but this can be adjusted to optimise performance in a particular deployment scenario.

5.4.2 Channel raster

The channel raster is 200 kHz, which means that the carrier frequency must be a multiple of 200 kHz.

5.4.3 Channel number

The carrier frequency is designated by the UTRA absolute radio frequency channel number (UARFCN). The value of the UARFCN in the IMT2000 band is defined as follows:

$$N_t = 5 * (F \text{ MHz}) \quad 0.0 \leq F \leq 3276.6 \text{ MHz} \quad \text{where F is the carrier frequency in MHz}$$

$$N_t = 5 * F \quad 0.0 \leq F \leq 3276.6 \text{ MHz} \quad \text{where F is the carrier frequency in MHz}$$

Sophia, France 13th - 17th November 2000

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CHANGE REQUEST⌘ **25.105 CR 47** ⌘ rev **-** ⌘ Current version: **3.4.0** ⌘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

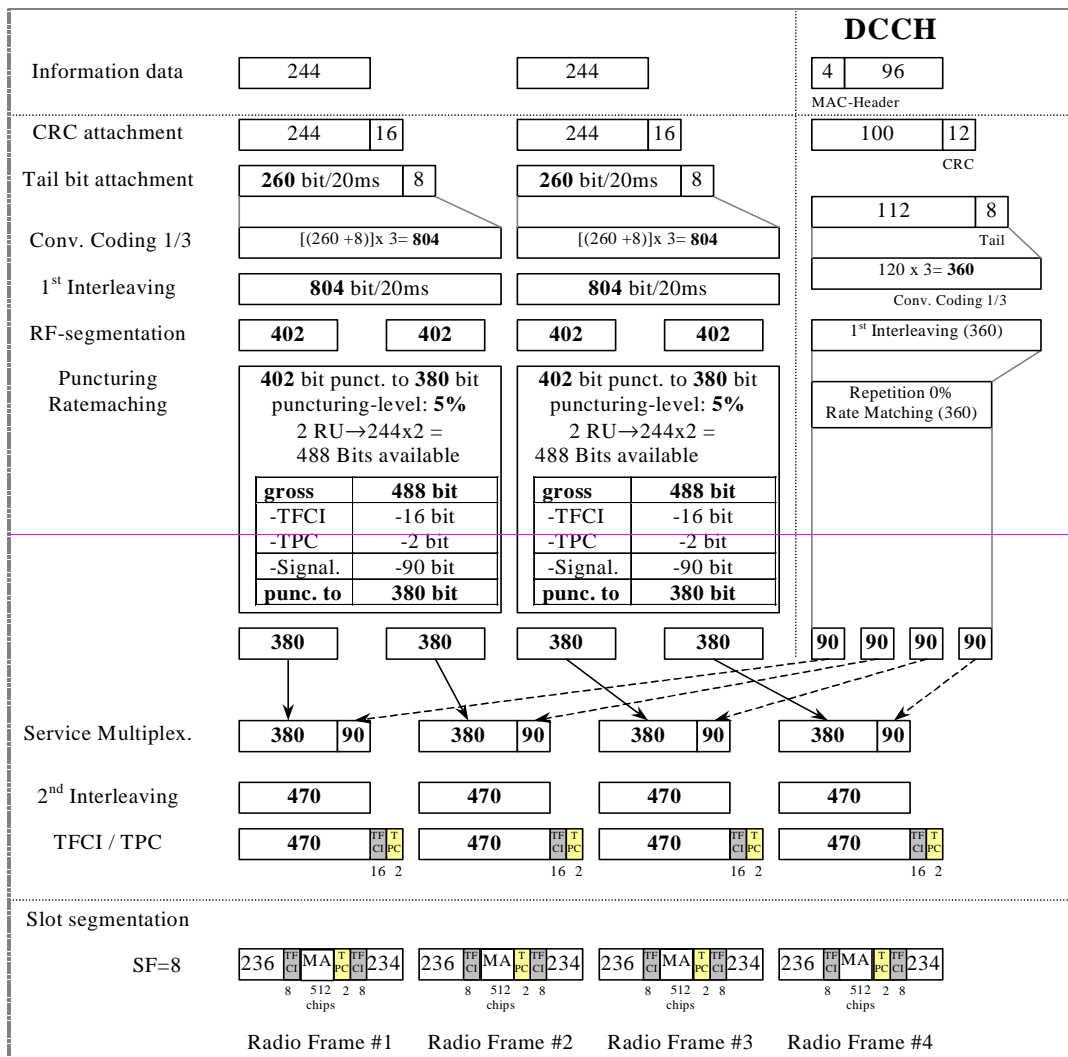
Title:	⌘ Correction to reference measurement channels
Source:	⌘ RAN WG4
Work item code:	⌘ <input type="text"/> Date: ⌘ 14.11.2000
Category:	⌘ F Release: ⌘ R99
<p>Use <u>one</u> of the following categories:</p> <p>F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p>	
<p>Use <u>one</u> of the following releases:</p> <p>2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)</p>	

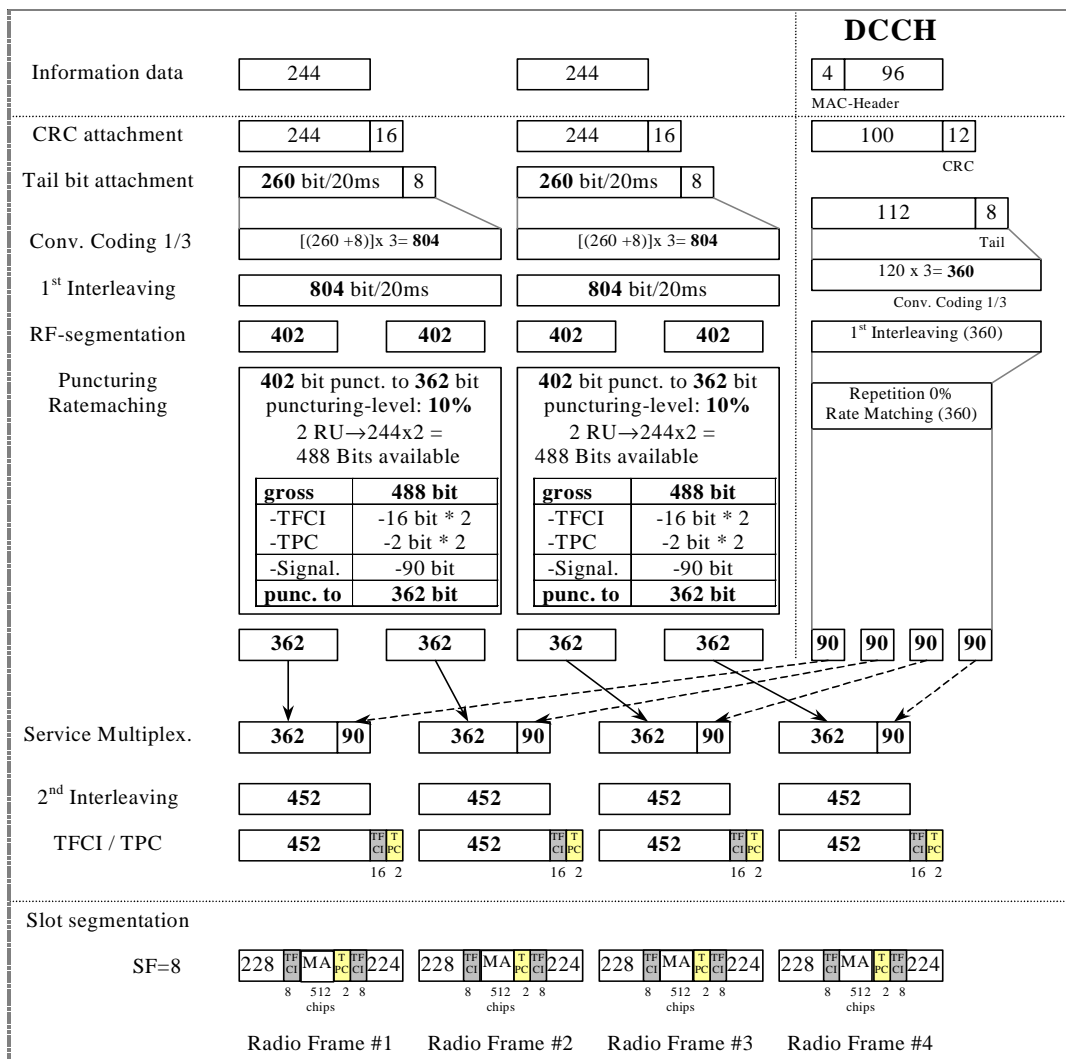
Reason for change:	⌘ To reflect a correction in the RAN WG1 specifications.
Summary of change:	⌘ The spreading factor for TFCI and TPC bits is changed to 16.
Consequences if not approved:	⌘ The reference measurement channels are not supported by the base station.

Clauses affected:	⌘ Annex A 2.1; Annex A 2.4
Other specs Affected:	⌘ <input checked="" type="checkbox"/> Other core specifications ⌘ CR221-034 <input checked="" type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
Other comments:	⌘ <input type="text"/>

A.2.1 UL reference measurement channel (12.2 kbps)

Parameter	
Information data rate	12.2 kbps
RU's allocated	2 RU
Midamble	512 chips
Interleaving	20 ms
Power control	2 Bit/user
TFCI	16 Bit/user
Inband signalling DCCH	2 kbps
Puncturing level at Code rate 1/3 : DCH / DCCH	105% / 0%





NEXT CHANGED SECTION

A.2.4 UL reference measurement channel (384 kbps)

Parameter	
Information data rate	384 kbps
RU's allocated	8*3TS = 24RU
Midamble	256 chips
Interleaving	20 ms
Power control	2 Bit/user
TFCI	16 Bit/user
Inband signalling DCCH	2 kbps
Puncturing level at Code rate : 1/3 DCH / 1/2 DCCH	43.4% / 15.3%

