

TSG RAN Meeting No.5 October

Tdoc TSG RAN 474/99

Kyongju, Korea

Source: TSG RAN WG1 Chairman

TSG RAN WG1 - Chairman's report

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25.201 Physical Layer General Description

- **Specification updated to reflect the main development points**
- **RAN is asked to approve the document to V3.0.0**

25.211 Physical Channels and Mapping of Transport Channels to Physical Channels (FDD)

- **Harmonisation details finalised, Common Pilot Channel (CPICH) included, chip rate changes completed**
- **Additional slot structures included, considered as a hook for EVRC support after release -99.**
- **Physical channel Timing section re-written**
- **RACH details agreed (working assumption in WG1#6) and confirmed as agreement in WG1#7**
- **Uplink Common Packet Channel (CPCH) details refined**
- **FAUSCH removed to a WG1 TR, items not for inclusion in release -99 (TR not yet updated).**

25.211 Physical Channels and Mapping of Transport Channels to Physical Channels (FDD)

- **Presented for RAN as Tdoc RAN 475, RAN is asked to approve the document to V3.0.0**
- **Open issue: CPCH monitoring/channel assignment outcome might have impact.**

25.212 Multiplexing and Channel coding (FDD)

- **New TFCI coding added**
- **Multiplexing chains modified and channel specific limitations included**
- **Channel Interleaver modified to accommodate slot structure change with new chip rate**
- **Coding for compressed mode refined a great deal, uplink compressed mode slot structure included in WG1#7bis**
- **Several items rewritten in the specification**
- **Presented for RAN as Tdoc RAN 476, RAN asked to approve the document to V3.0.0**

25.213 Spreading and scrambling (FDD)

- **RACH preamble spreading defined in details**
- **Change from 32 to 64 code groups for cell search**
- **Several clarifications for code generation methods included**

- **Presented for RAN as Tdoc RAN 477, RAN is asked to approve the document to V3.0.0**

25.214 Physical Layer Procedures (FDD)

- Power control issues refined and concluded for the normal mode and compressed mode.
- RACH procedure with RACH subchannels modified
- CPCH access procedure aligned with RACH
- DPCCH gating not included in 25.214, WG1 is still doing investigations and expects WG2 also to study the issue
- Slow power control excluded from release -99, will be moved to a TR.
- Tx-diversity issues concluded and text refined.

25.214 Physical Layer Procedures (FDD)

- Presented for RAN as Tdoc RAN 478, RAN is asked to approve the document to V3.0.0
- Open issue: CPCH monitoring and channel assignment
- Open loop power control for RACH expected to be later handled by WG2

25.215 Measurements (FDD)

- In WG1#7 25.231 splitted to 2 documents, 25.215 for FDD measurements and 25.225 for TDD measurements respectively.
- Compressed mode patterns moved to an information annex, Higher layers are expected to parameterise freely within the limitations set by the physical layer.
 - Annex to be removed once WG2 has sufficient material included
- Work to be done on the parameter limitations and ranges for measurement values. For TDD monitoring new TGL durations needed
- Presented to RAN as Tdoc RAN 479, RAN is asked to approve the document to V3.0.0

25.221 Physical Channels and mapping of transport channels to physical channels (TDD)

- **OHG agreement (chip rate) changes completed**
- **Paging channel completed**
- **USCH/DSCH physical layer details covered**
- **RACH agreed and concluded**
- **Open: Tx diversity for BCH**

- **Presented to RAN as Tdoc RAN 480, RAN is asked to approve the document to V3.0.0**

25.222 Multiplexing and Channel coding (TDD)

- **The same changes as in FDD reflected, where applicable**
- **TFCI coding method defined**
- **Open issue: AMR support related issue**

- **Presented to RAN as Tdoc RAN 481, RAN is asked to approve the document to V3.0.0.**

25.223 Spreading and Scrambling (TDD)

- **Small corrections**
- **Presented to RAN as Tdoc RAN 482, RAN is asked to approve the document to V3.0.0**

25.224 Physical Layer Procedures (TDD)

- Cell search modified
- Power control issues concluded.
- Presented to RAN as Tdoc RAN 483, RAN is asked to approve the document to V3.0.0
- WG1 to discuss whether there needs to be cell synchronisation issues specified in the physical layer

25.225 Measurements (TDD)

- In WG1#7 25.231 splitted to 2 documents, 25.215 for FDD measurements and 25.225 for TDD measurements respectively.
- Aligned with 25.215 with notation, covering TDD issues from formed 25.231
- Work still to be done on the parameter limitations and ranges for measurement values
- Presented to RAN as Tdoc RAN 484, RAN is asked to endorse the document to V3.0.0

Meeting Schedule for Coming WG1 Meetings in 1999

- **WG1#8 October 12-15 New York, USA, Host GBT, InterDigital, Lucent & Omnipoint**
- **WG1#9 November 30 - December 3, Dresden, Germany, Host Mannesman**
- **Schedule for 2000 to be fixed at WG1#8**

RAN WG1 Statistics

- **7 regular +1 extra Meetings held, 2 to go in 1999**
- **Tdocs total over 1000, number Fxx running**
- **Up to 170 delegates attending (WG1#7)**

RAN WG1 Technical reports

Also 2 TRs to be produced on:

- Multiplexing and channel coding examples (N/A)
- Items for not inclusion in release -99
 - Version available does not reflect WG1#7bis decisions