

TSG RAN#6 December 13-15 1999

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Source: TSG RAN WG1 Chairman

TSG RAN WG1 Report

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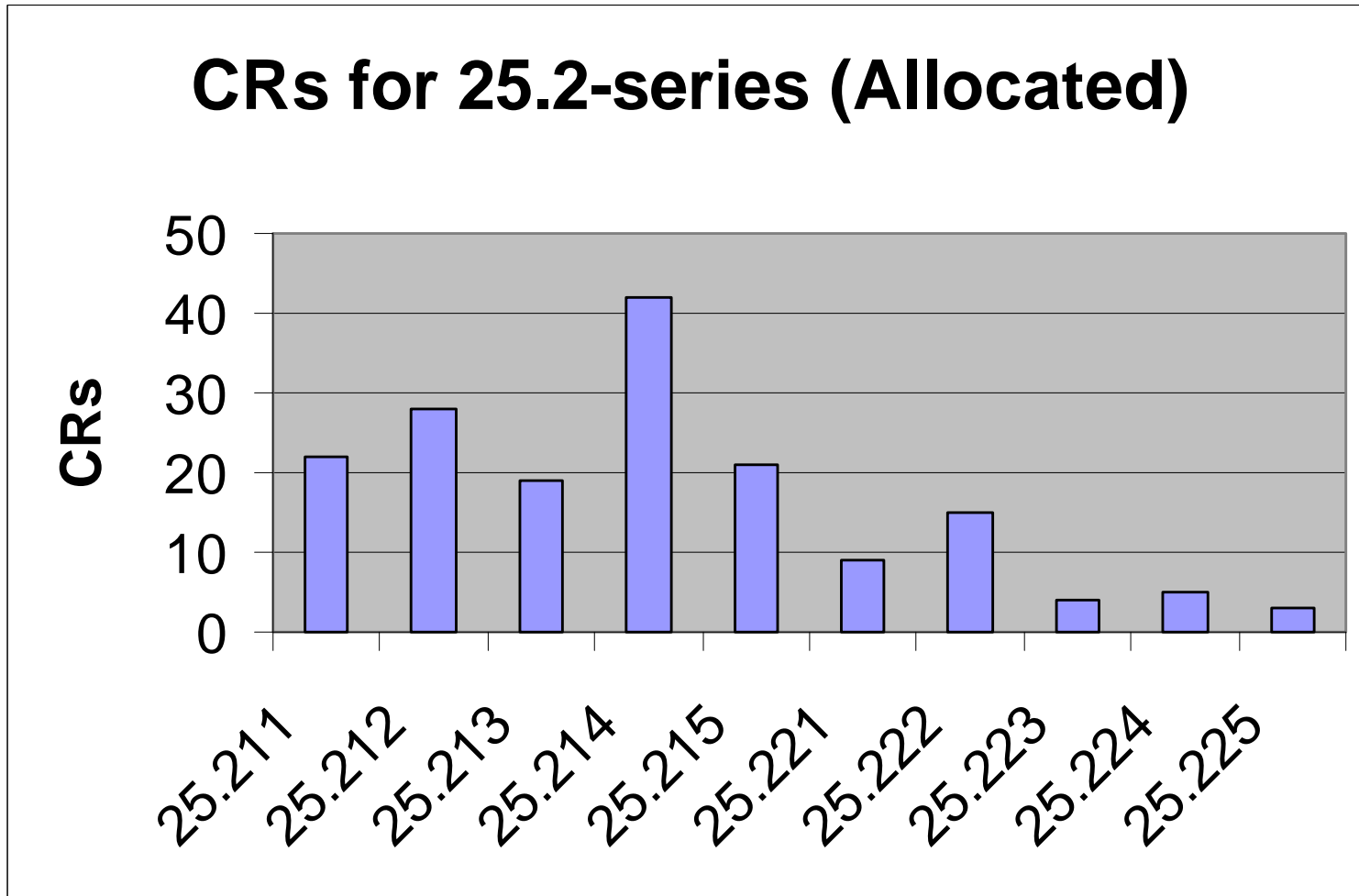
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CRs from W G 1#8 & W G 1#9

- Over 160 CR numbers allocated



25.201 Physical Layer General Description

- No CRs presented to RAN

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

- Editorial changes and small adjustment
- Newer items:
 - Idle periods for position
 - Sliding paging indicators
 - 20 ms RACH message length included
 - CPCH power control preamble length defined
- Open Item: CPCH: Rel-99 or Rel-00 (also 25.213 & 25.214)

25.212 Multiplexing and Channel coding (FDD)

- **TFCI Coding/mapping for compressed mode refined**
- **Blind transport format detection description in Annex modified**
- **Common channel coding defined:**
 - **DSCH and FACH with same coding options**
 - **DCH**
- **Open Item: Compressed mode with puncturing**
 - **For Rel-99 or Rel-00 (Different views in WG1)**
- **Addition for Rel-99: Smaller size Turbo interleavers (optional in Rel-99 due late introduction)**

25.213 Spreading and scrambling (FDD)

- **Editorial changes for the structure**
- **Compressed mode operation with secondary scrambling code corrected**
- **CPCCH issues specified for power control preamble and message part**
- **SF 512 limitations clarified**

25.214 Physical Layer Procedures (FDD)

- 20 ms message length included for RACH procedure + other updates for RACH procedure
- Open loop power control removed (In WG2 specs)
- RACH power offset refined
- Power control refined in SHO
- Closed loop TX diversity clarifications
- Open items:
 - DPCCH gating (Rel-99 or Rel-00)
 - Out-of-sync-state need some finalisation for

25.215 Measurements (FDD)

- **Ranges for measurement values defined**
- **Clarifications for compressed mode parameterization, CFN-SFN timing measurements and Primary CPICH measurements**
- **Decision item: CPICH SIR measurement for FDD. This needs to be aligned based on WG 2 and WG 4 views (Reference: CR 25.215-017rev1 & WG 1 Liaison statement)**

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

- Slot structures clarified
- Primary and secondary CCPCH concept introduced
- Variable/multicode issue defined uplink/downlink
- Superframe concept removed
- midamble allocation
- TFCI bit transmission with multiple slot defined
- Open Item: Cell parameter cycling (Has

25.222 Multiplexing and Channel coding (TDD)

- **TF CI with secondary CCPCH included**
- **TF CI mapping clarified**
- **Physical channel mapping modified**
- **Rate matching rule updated for TDD**

- **Open item: Small size turbo interleavers (same as FDD)**

25.223 Spreading and Scrambling (TDD)

- **Code allocation clarified**
- **Terminology aligned**
- **Primary and Secondary CCPCH terminology included**

25.224 Physical Layer Procedures (TDD)

- **STTD with common channels included**
- **Spreading terminology clarified**

- **Open Item: Out-of-sync needs some definitions for TDD as well.**

25.225 Measurements (TDD)

- Superframe references were removed
- Block STTD capability for Primary CCPCH included
- Measurement definitions and ranges updated

Meetings Since TSG RAN#5

- **WG 1#8 October 12-15 New York, USA, Host GBT, Inter Digital, Lucent & Omnipoint**
- **WG 1#9 November 30 - December 3, Dresden, Germany, Host Mannesman**

RAN WG 1 meetings year 2000 (Tentative)

- **WG1#10 Jan 18-21 (China, Host: Nokia China)
(Confirmed)**
- **WG1#11 Feb 28-March 3 (USA, Host: T1P1)**
- **WG1#12 April 10-14 (Korea, Host: TTA)**
- **WG1#13 May 22-26 (Japan)**
- **WG1#14 July 3-7 (Finland, Host: Nokia)**
- **WG1#15 August 21-25 (Germany, Host: Siemens)**
- **WG1#16 October 9-13 (Korea, Host: TTA)**
- **WG1#17 November 20-24 (TBD)**
- **Note: Dates indicate the week, meeting duration 4 days**

RAN WG 1 1999 Statistics

- **9 regular meetings held in 1999**
- **1 Extra meeting (WG 1#7bis) before RAN#5**
- **1 Joint meeting with TSG SA WG 4 on AMR issues**

- **T docs total over 2000**

RAN WG1 Technical reports

Also 2 TRs to be produced on:

- Multiplexing and channel coding examples
- Items for not inclusion in release -99
- Both presented for information, RAN WG1 would like to continue with TR on multiplexing and channel coding examples and to present to RAN 03/2000 version for approval.

Summary of open items for Rel-99 (RAN decision needed)

- **Compressed mode with puncturing (FDD only)**
- **CPCH (FDD only)**
- **DPCCH gating (FDD only)**
- **Small size turbo interleavers (FDD+TDD)**
- **Out-of-synchronisation state handling (FDD+TDD)**
- **Cell parameter cycling (TDD only)**

Annex: RAN WG 1 year 2000 Schedule

- **TDD cell parameter cycling: 3/2000**
- **Out-of-synchronisation refinements: 3/2000**
- **Small turbo block sizes: 3/2000**
- **Compressed mode with puncturing: 3/2000**
- **CPCH issues: 3/2000**
- **DPCCH gating: 3/2000**
- **Hybrid ARQ: Conclusions by 6/2000, Updates to the specifications completed by 9/2000**
- **TX diversity refinements completed by 9/2000**
- **TDD 1.28 Mchips/s details completed by 9/2000**
- **FAUSCH changes completed by 9/2000**
- **NOTE: Presented separately in Tdoc RP-99705**