

**TSG RAN Meeting #15**  
**Cheju, Korea, 5 - 8 March 2002**

**RP-020222**

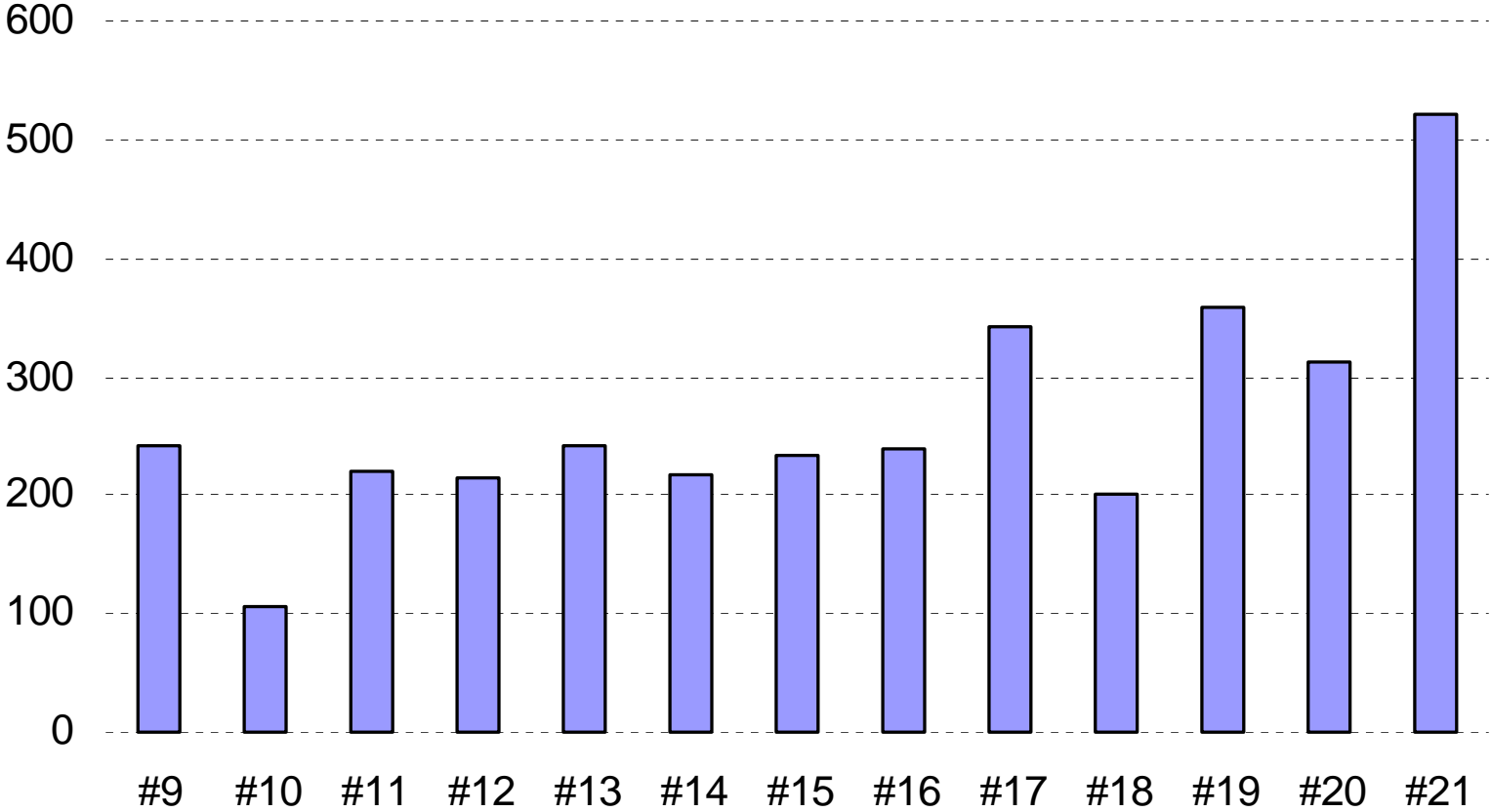
# **RAN 4 Status Report**

**Howard Benn**  
**RAN 4 Chairman**

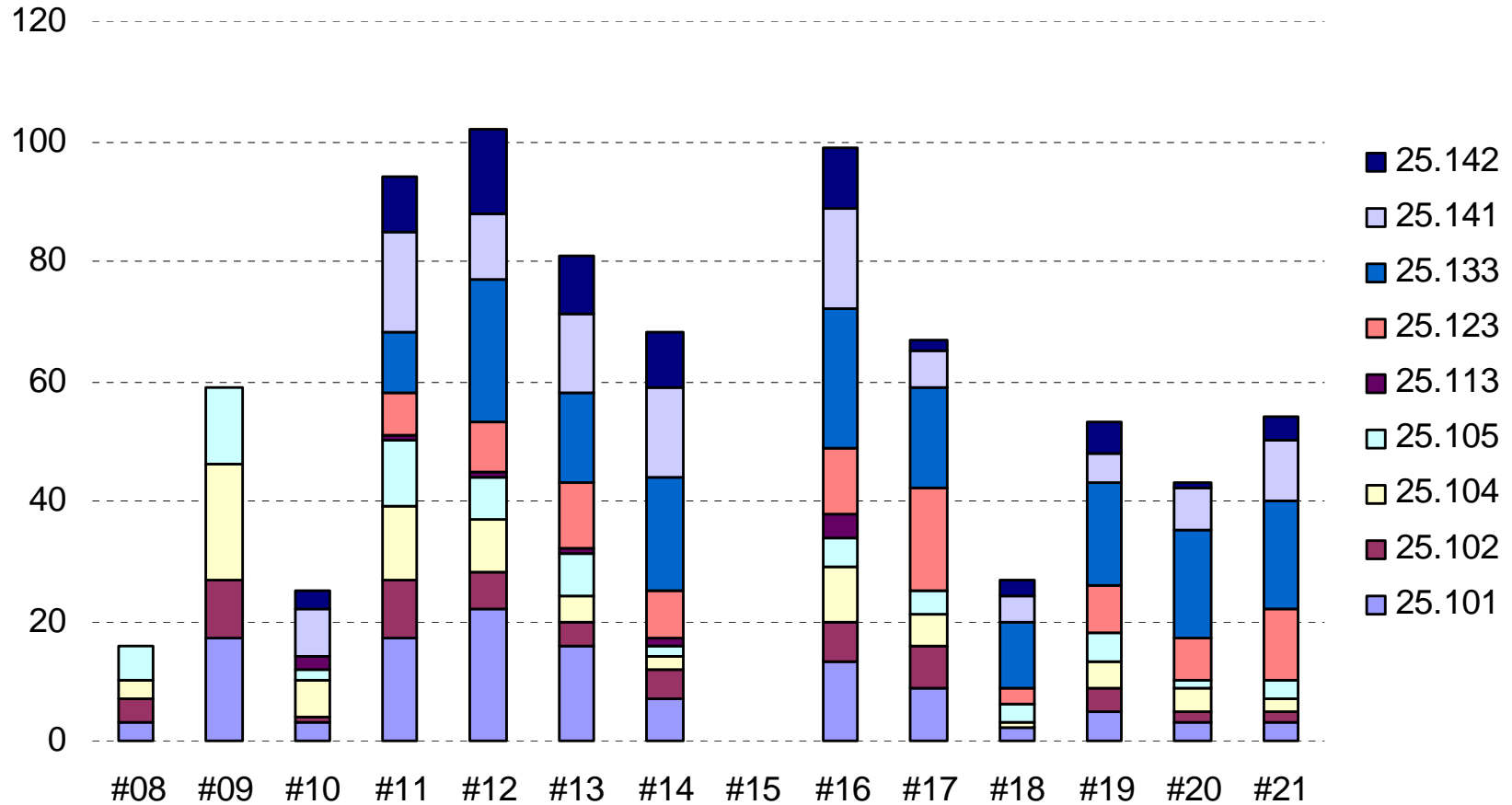
# Summary

- **One RAN WG4 meeting after the last RAN meeting in Kyoto.**
- **Usual number of delegates (around 100),**
- **Group handled the highest number of documents ever (522 tdocs).**
- **Regarding corrections to the BTS and UE**
  - **release 99 - 54 CRs**
  - **release 4 - 75 CRs (54 Category A)**
  - **Release 5 - 56 CRs (33 Category A)**
- **There will be two WG meetings before the next plenary.**

# Tdocs per meeting



# Release 99 CRs



# 25.101/102

- **25.101 – 3 CRs**
  - After discussions lasting for several meetings, an agreement was reached on the definition of the power measurements. Parallel corrections are proposed for 25.104 and 25.141
  - Correction to power spectral density figure
- **25.102 – 2 CRs**
  - Correction to uplink measurement channel.
  - Replacement of Block STTD by Space Code Transmit Diversity (SCTD)

# 25.104/105

- **25.104 – 2 CRs**
  - Power term corrections
  - Removal of BS performance requirements in SSDT mode
- **25.105 – 3 CRs**
  - UL reference measurement channel (12.2 kbps) puncturing rate correction
  - Single and multi carrier in spurious emissions requirements
  - Consideration of multi-carrier operation in ACLR requirements

# 25.123

- **12 CRs**
  - **Work since last RAN meeting**
    - Introduction of missing test cases.
    - Various corrections.
  - **Work not completed**
    - Due to the recent instability of this specification RAN 4 should expect some more corrections in the next meeting.

# 25.133

- **18 CRs**
  - **Work since last RAN meeting**
    - **Corrections to cell reselection requirements, RRC connection re-establishment requirements, inter frequency measurements.**
    - **Corrections of test cases.**
  - **Work not completed**
    - **Due to the recent instability of this specification RAN 4 should expect some more corrections in the next meeting.**
    - **The GPS code phase measurement requirements and test were presented, but WG4 believes that this topic will not be solved before September.**



# 25.141

- **10 CRs**
- **Small corrections without which it would be possible to misinterpret the specifications.**
- **Remaining issues**
  - **CRs 195, 196 & 197 were agreed at WG4 meeting as they are presented in RP-020024. However, after WG4 meeting there was an email discussion concluding that these CRs needs to be revised; it is unclear in one of the clauses what the test requirements are. Document RP-020115 proposes revised versions of these CRs removing the ambiguity.**
  - **It was proposed to add the test case for the UTRAN measurement Transmitted Carrier Power. WG4 had agreed long time ago not to add test cases for UTRAN measurements, but it seems that there are opposed positions now. WG4 would like to ask RAN for guidance.**

# 25.142

- **4 CRs**
  - **Small corrections without which it would be possible to misinterpret the specifications.**
- **Remaining issues**
  - **None**

# Release 4

- **25.106 (repeaters work item)**
  - The definition of Repeater in 25.106 was discussed. It includes the concept of "conducted repeater", that is heavily objected to since it could be used to relax the requirements of the BS amplifiers. It was also noted that some of the requirements on emissions necessary for regulatory purposes are missing in the specification. WG4 couldn't reach an agreement on these issues, although possible ways forward were identified

# Release 4 – Study Items

- **Feasibility Study of UE antenna efficiency test methods performance**
  - It is agreed to reopen the Rel4 study item on antenna efficiency test methods.
  - Allgon will have to provide a SI report to RAN

# Release 5 Work Items

- **Base station classification**
  - FDD Base station classification
  - TDD Base station classification
  - BS classification for 1,28 Mcps TDD option
- **Radio Interface Improvement Feature**
  - UMTS 1800 / UMTS 1900
- **Technical Small Enhancements and Improvements**
- **UE positioning**
- **High speed downlink packet access**
- **Work Items under other WG responsibility**

# WI Status

- **Base station classification**
  - **FDD Base station classification**
    - Delayed – moved to release 6 – Dec 2002
  - **TDD Base station classification**
    - Off line discussions about the changes needed on spurious emissions and ACLR requirements in all three releases.
    - Companies involved have reached an agreement, but the conclusions of this agreement have to be verified by the experts in the companies and this may require various days.
    - Not be enough time to approve the CRs, RAN 4 agree that the work is very close to completion and still believes it should be kept into Release5
  - **BS classification for 1,28 Mcps TDD option**
    - Same as TDD

# WI Status

- **Radio Interface Improvement Feature**
  - **UMTS 1800 / UMTS 1900**
    - It is agreed that the TR 25.885 will be kept out of the change control procedure
    - Work completed and CR will be presented
- **Technical Small Enhancements and Improvements**
  - Time alignment in TX diversity – discussed no CRs
  - Requirements on phase shift in the UE - discussed no CRs
  - Additional simulations - discussed no CRs

# WI Status

- **UE positioning (1.28 MCPS)**
  - CR agreed
  - Work completed
- **High speed downlink packet access**
  - On schedule for completion for June 2002
  - Specification text agreed
  - Simulation assumptions agreed
  - Simulations started



# WI Status

- **Work Items under other WG responsibility**
  - **Introduction of Improvement of Inter-frequency and Inter-system Measurement for 1.28 Mcps TDD**
    - Work completed – RAN 4 agree with conclusion presented in R4-020011
  - **NodeB Synchronisation Measurements performance requirements for 1.28Mcps TDD**
    - RAN 4 work completed, CR agreed

# Release 5 – Study Items

- **Mitigating the Effect of CPICH Interference at the UE**
  - Study completed
  - Rel 6 work item endorsed
- **Wide Band distribution Systems**
  - Work still ongoing

# Study Items Status

- **Feasibility Study for the deployment of UTRA in additional and diverse spectrum arrangement**
  - **Work ongoing**

# Future Meetings

<b>Meeting No.</b>	<b>Date</b>	<b>Host</b>	<b>Location</b>
RAN WG4 #22	3-5 April 2002	ETSI	Sophia Antipolis, France
RAN WG4 #23	13-17 May 2002	Samsung	Korea
RAN WG4 #24	12-16 August 2002	Nokia	Finland
RAN WG4 #25	11-15 November 2002	3GPP friends	US