Status report of RAN WG2 to RAN #14

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RAN WG2 Chairman

RP-01751

Main activities since last RAN Plenary

- **Release 99 corrections**
  - Occupied 75% of meeting time (90% of the Nov meeting!), and most of delegates bandwidth/expertise
  - Still many corrections on aspects which were not described, unclear, or incorrect.
  - level of importance of CRs is decreasing (except on security and UP)
  - All CRs have an impact analysis
    - all have an isolated impact
  - Major completion of security and security procedures
    - This should be the last major corrections for R99

- **Some Release 4 corrections**

- **HSDPA**
  - progressed in RAN1, RAN2 and RAN3
  - Good progress. Work on schedule for March 01
    - January meeting will be only on R5
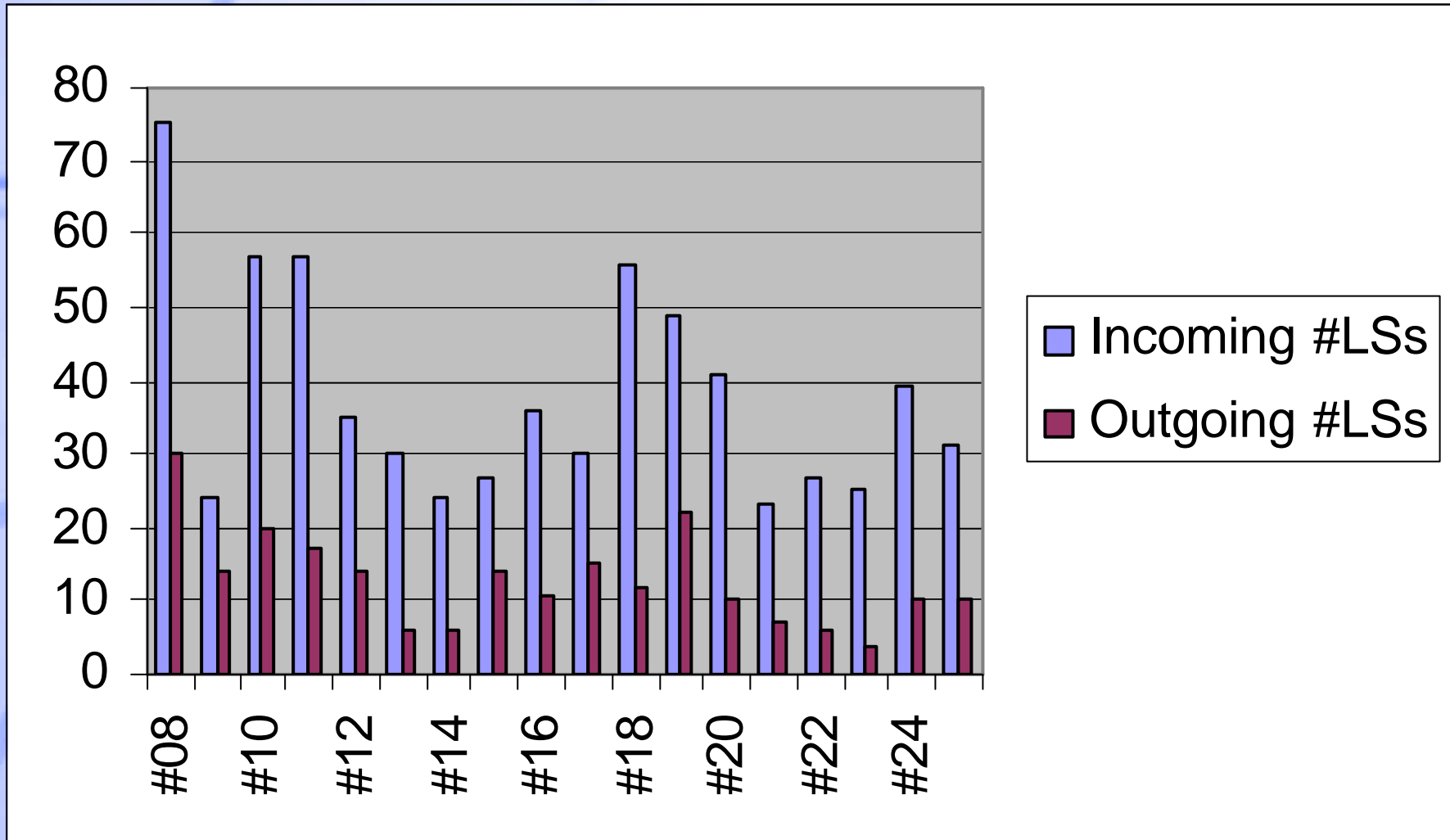
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RAN WG2 statistics

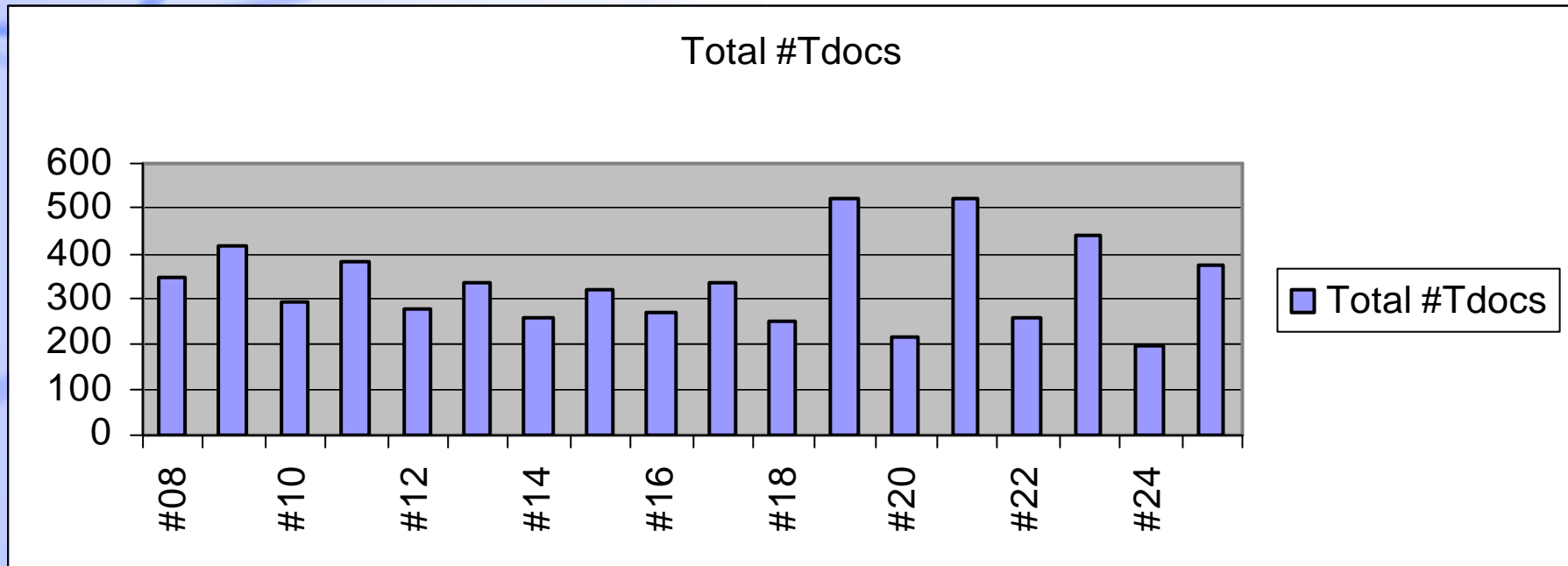RP-01751

Meetings held since last RAN Plenary

- **RAN WG2#24 in October**

- **RAN WG2 #25 in November**

- **One joint meeting with RAN1, on HSDPA**

- **One ad-hoc meeting on HSDPA**
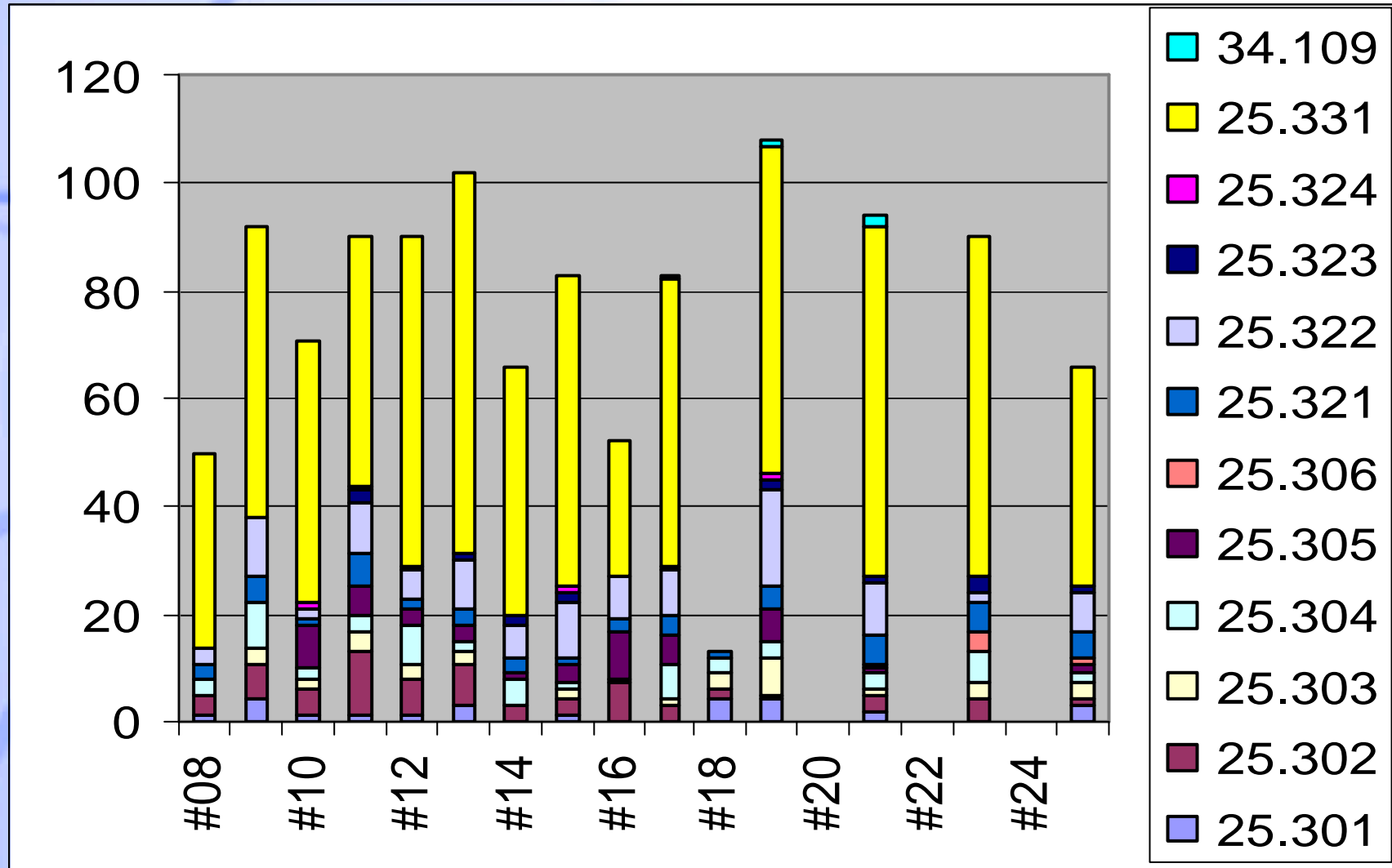
- **One joint meeting with RAN3 on Iupc**

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Liaison statements In/Out
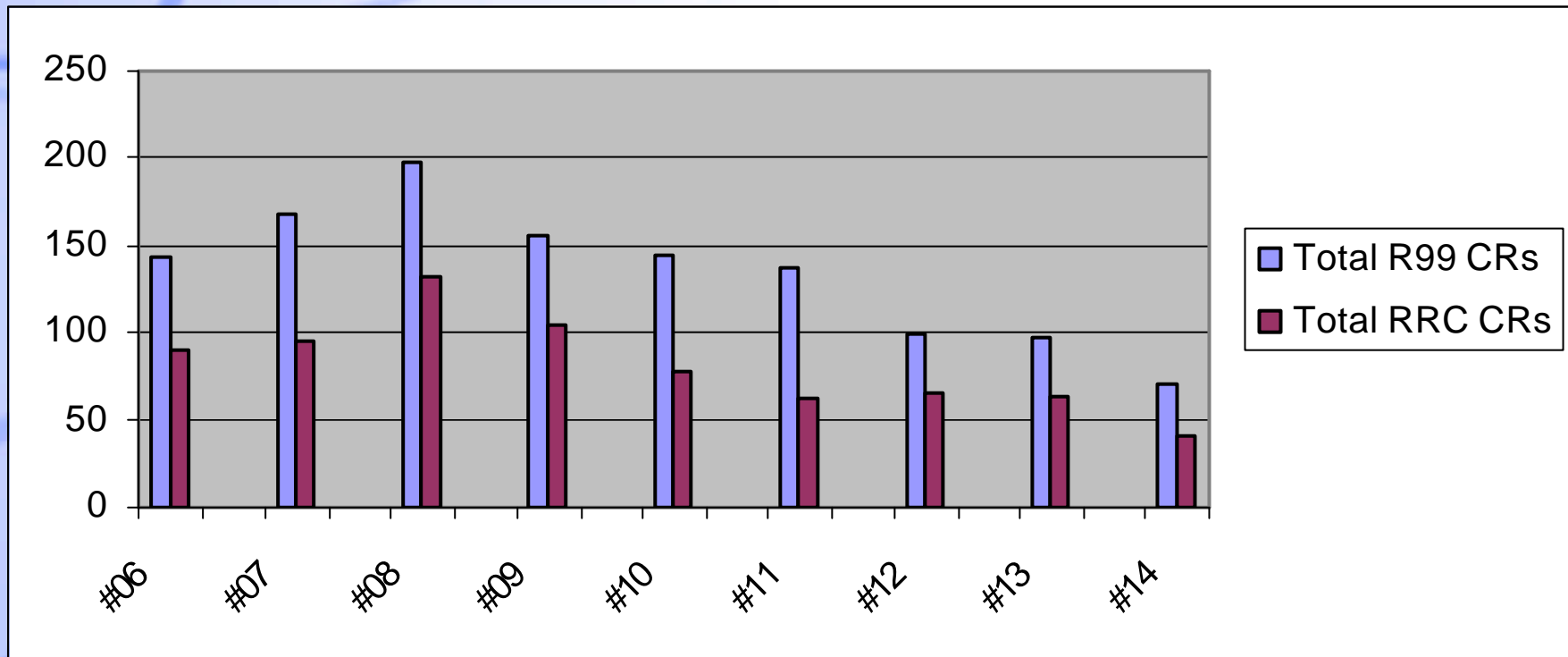

Incoming #LSs
Outgoing #LSs

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Total number of documents per meeting

Total #Tdocs

Rel 99 Change Request statistics (1)

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Rel 99 Change Request statistics (2)

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Release 99 activities

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RLC

- **Protocol is stable; description is improved to ease interoperability and cover all cases unambiguously**

- **Some minor corrections**

- **Enhancements are pushed to R4**

MAC/BMC/PDCP

- **Protocols are stable**

- **Minor corrections on MAC**

Cell selection/re-selection

- **Stable**
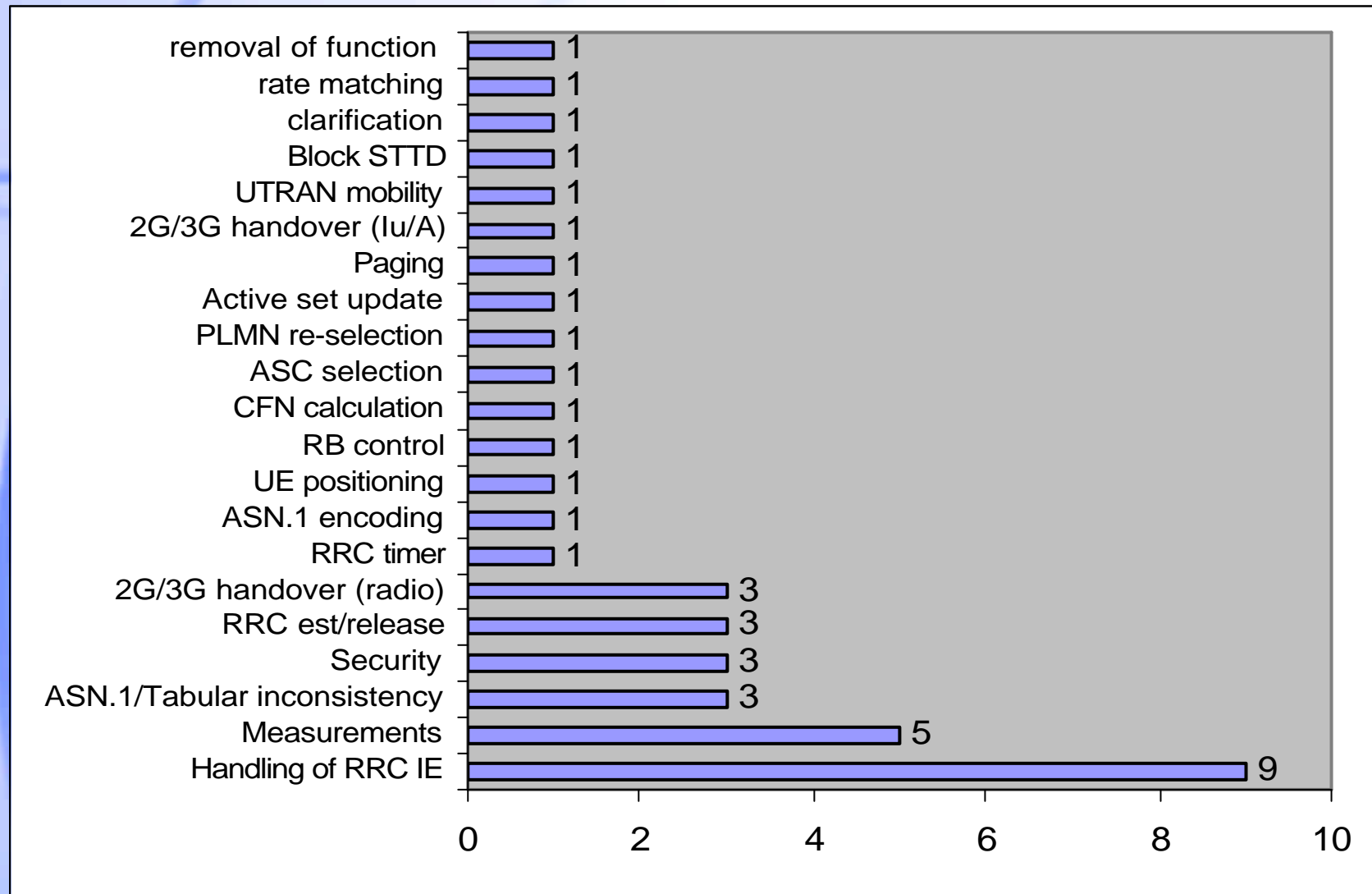
- **2 small corrections**

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RRC

- **Still many corrections**
  - Some are real corrections, some are clarifications => may not impact implementations
    - e.g. handling of some RRC IEs was missing
    - Number of corrections is decreasing, both in number and size of CRs

- **However, essential corrections on**
  - Security
    - Major work accomplished (in fact started!!)
    - Major corrections and most difficult corrections were agreed✎
    - List of open items identified for closure in March 02 ✎
  - UE positioning
    - Can be considered now completed✎

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RRC CRs per function/category

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Change Requests on rel 99 specifications

- **Refer to RP-0010752 for complete list**

- **CRs are in RP-010753 to RP-010768**

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Release independant frequency bands

- **One CR which completes UMTS1800 and UMTS1900 from RAN WG4 point of view**
    - Both are now complete in 25.307
    - CR in RP-010749

Release 4 activities

Release 4 CRs

- **Some corrections, mainly on LCR-TDD, or pushed from R99**

- **Refer to RP-0010752 for complete list**
  - — CRs are in RP-010769 to RP-000773

Release 5 activities

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List of release 5 Work Items under RAN WG2

- **Radio access bearer support enhancement**

- **Improved usage of downlink resource in FDD for CCTrCHs of dedicated type**

- **Hybrid ARQ II/III**

- **High Speed Downlink Packet Access (HSDPA)**

- **High Speed Downlink Packet Access (HSDPA) - layer 2 and 3 aspects**

- **UE positioning enhancements**

- **UE positioning enhancements for 1.28 Mcps TDD**

- **Open interface between the SMLC and the SRNC within the UTRAN to support A-GPS Positioning**

- **Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods**

- **Terminal power saving**

- **Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN**

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Radio access bearer support enhancement

- **Proposal for enhancement of IP header compression in case of SRNS relocation was made**
  - Current R4 functionality has some issues that need to be addressed

- **LS from SA2 on UEP for IMS**

- **Time was missing in Nov 01. Work will continue in Jan 02.**

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Improved usage of downlink resource in FDD for CCTrCHs of dedicated type

- **No activity**

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3GPP

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Hybrid ARQ II/III

— No activity
  – HARQ progressed under HSDPA Work Item.
— Should we delete the Witem?

High Speed Downlink Packet Access

- **One joint meeting with RAN WG1**

- **Good progress, according to Work Plan for <u>March 02 (R1/R2/R3)</u>**
  - Stage 2 complete
  - One CR on 25.308 capturing the overall progress
  - Change Requests to core specifications have started

UE Positioning (UP) enhancements

- **No work on new positioning methods as per RAN request**

UE positioning enhancements for 1.28 Mcps TDD

- **Good progress in all WGs**

- **Time was missing in Nov 01. Work will continue in Jan 02.**

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3GPP

Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning

- **No activity. WI is finished.**

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3GPP

Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods

- **Some discussions**

- **TR proposal (TR 25.861) was made.**
  - Time was missing in Nov 01. Work will continue in Jan 02.

Terminal Power Saving

- **No activity**

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Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN

- **No activity**

- **Proposal is to shift WI to R6, in line with SA2.**
    - Revised WI is provided

Small Technical Enhancements and Improvements for Rel-5

- **Three proposals**
  - Partial ciphering
    - Presented for information. SA1/SA3 input needed
  - NACC for 3G to 2G handover
    - Request from GERAN to study pros and cons
  - Provision of timing information from the UE to the SMLC for improvement of A-GPS assistance data
    - Time was missing in Nov 01. Work will continue in Jan 02

Feasibility Study under RAN WG2

- **Improved Common DL Channel for Cell-FACH State**
  - — No activity

- **Should the WI be deleted?**

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Release 5 Items under other WGs

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UMTS1800 and UMTS1900 (RAN WG4)

- **Work completed**
  - — CR submitted on 25.307 from RAN WG4

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USTS

- **RAN2 impacts presented**
  - Time was missing in Nov 01. Work will continue in Jan 02

Enhancement on the DSCH hard split mode

- **RAN2 impacts were studied**

Conclusions

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Chairman's concluding remarks

- R99
  - R99 took most of RAN WG2 meeting time, and this even more than before.
  - The result is that Dec 01 can be considered complete, apart from some open items on security. We can also notice a clear decline on the number and importance of CRs
  - More corrections will be needed to achieve interoperability level, and also based on findings during implementation and interoperability testing.
  - Dec 01 can be considered of a good quality.

- R5
  - HSDPA on schedule for March 01. Good synergy with other groups
  - Many R5 work pushed towards Jan 02 meeting

Past work has been paying off
release 99 quality improves, and stability is increasing.

Please sustain efforts and keep experts active in RAN WG2

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