Status report of RAN WG2 to RAN #15

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RP-020060

Main activities since last RAN Plenary

- **Release 99 corrections**
  - Occupied 75% of last meeting => decreasing☺
  - Most corrections on aspects which were not described, unclear, or incorrect. Level of impact of CRs is decreasing except on security

  - Identified security open issues were all resolved ☺

  - measurement alignment resolved with RAN1.
  - One consensus missing on UP ☹
  - Isolated impact analysis is more detailed. Expected to become rule.

- **RABs and RBs for release 99**
  - CR to 34.108 sent to T1; joint with RAN1.

- **Release 99 clean-up**
  - One joint meeting with RAN1

- **Some Release 4 corrections**

- **Release 5**
  - One meeting dedicated to Release 5
  - HSDPA completed!! CRs on WI under other WGs agreed.

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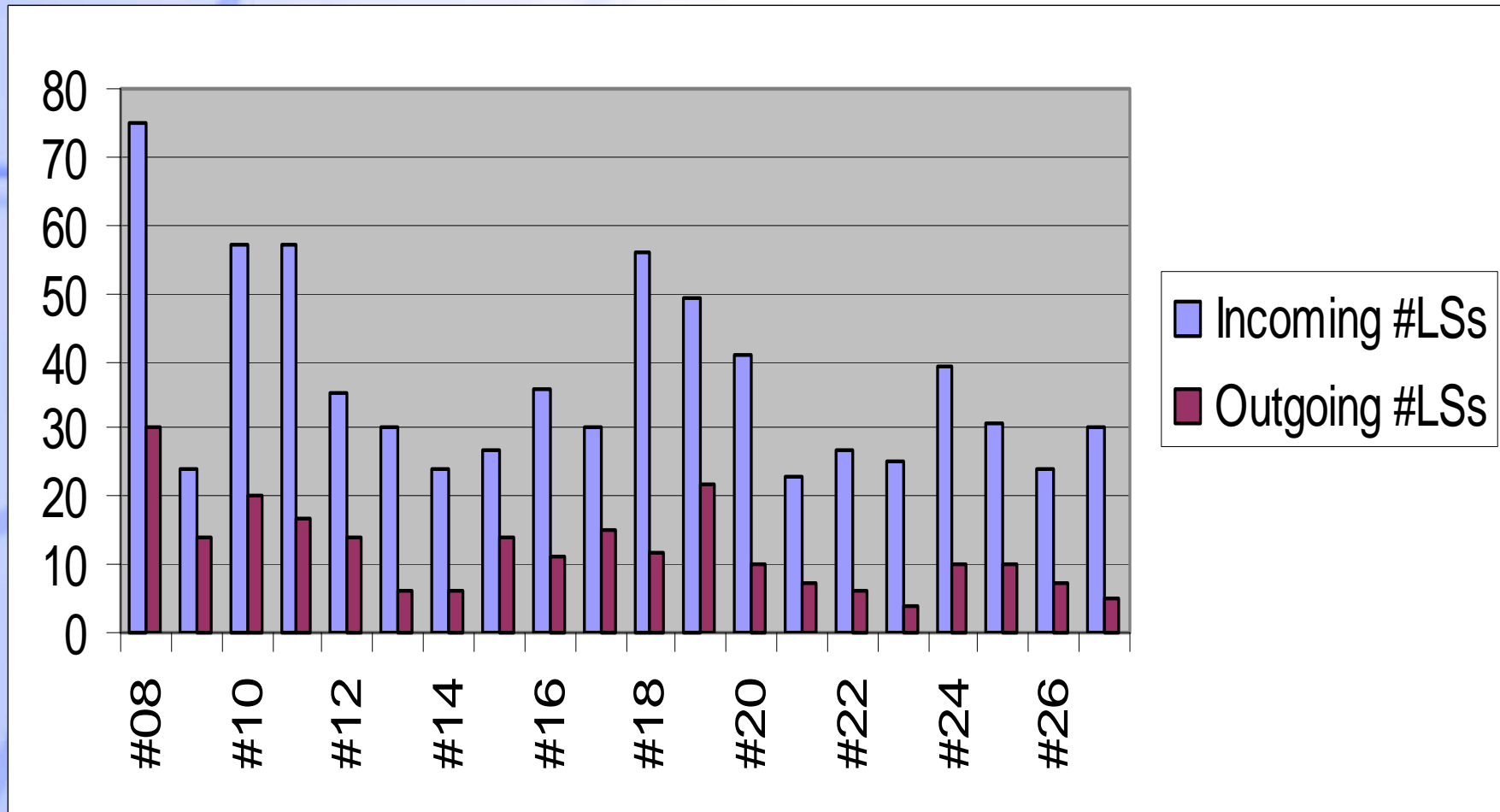# RAN WG2 statistics

Meetings held since last RAN Plenary

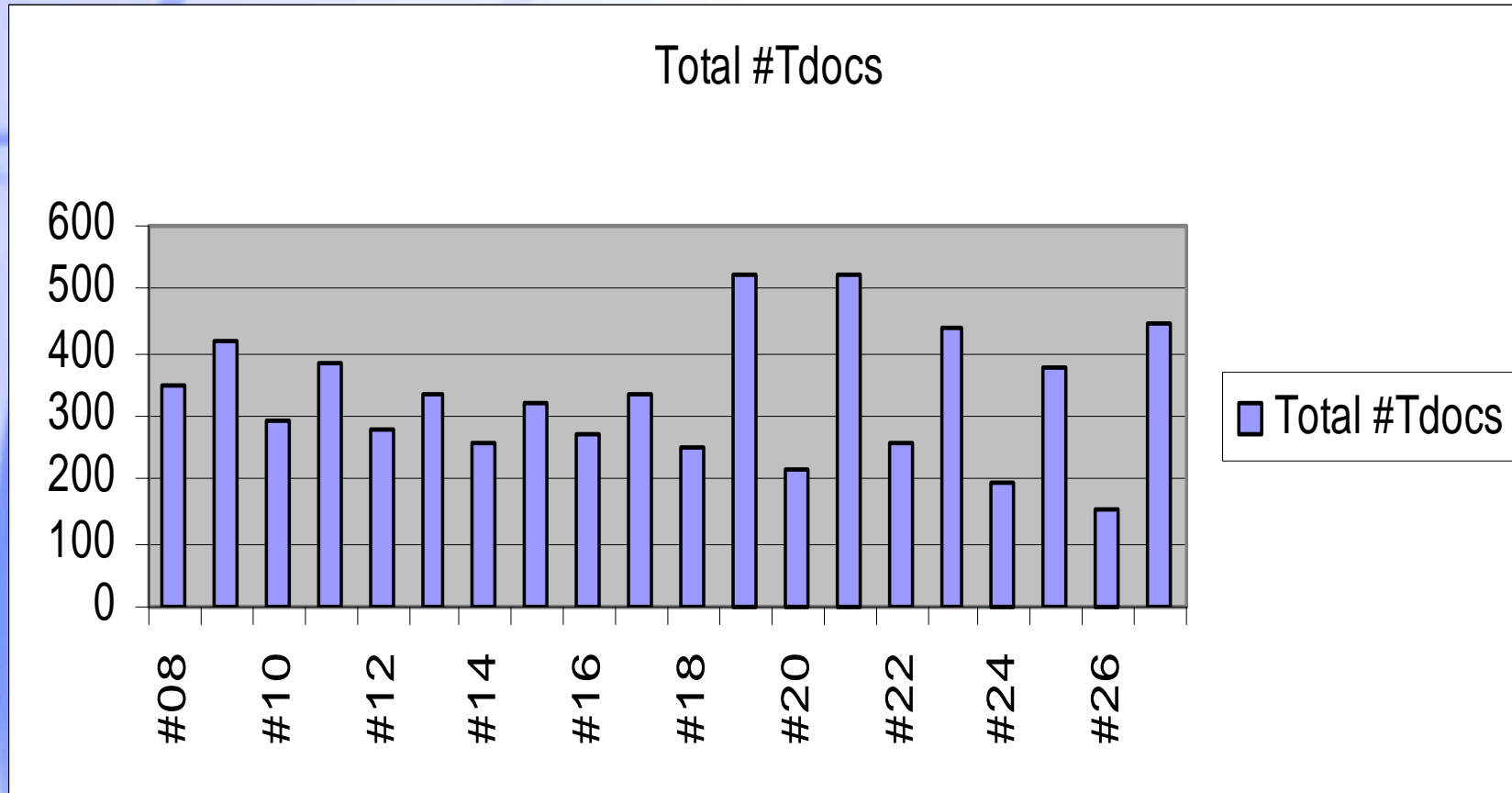- **RAN WG2#26 in January on Release 5**

- **RAN WG2 #27 in February**

- **One joint meeting with RAN1 on Release 99 clean-up and 34.108**

- **Several joint meetings during RAN WG2 #27 to resolve some subjects (HSDPA, measurements)**

Liaison statements In/Out

Total number of documents per meeting

Total #Tdocs

Rel 99 Change Request statistics (1)

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Rel 99 Change Request statistics (2)

Legend:
- ■ Total R99 CRS
- ■ Total RRC CRs

Categories: #06, #07, #08, #09, #10, #11, #12, #13, #14, #15

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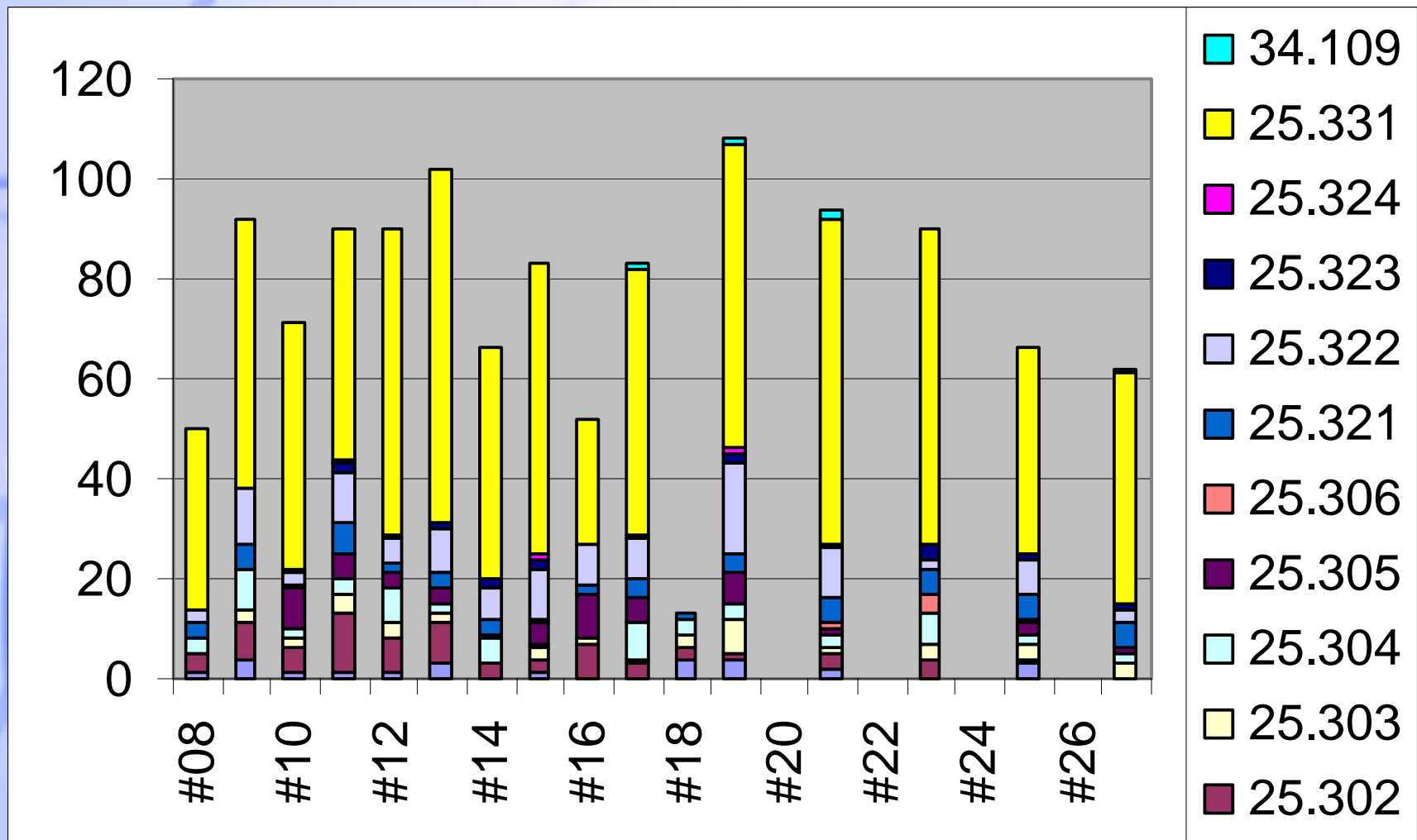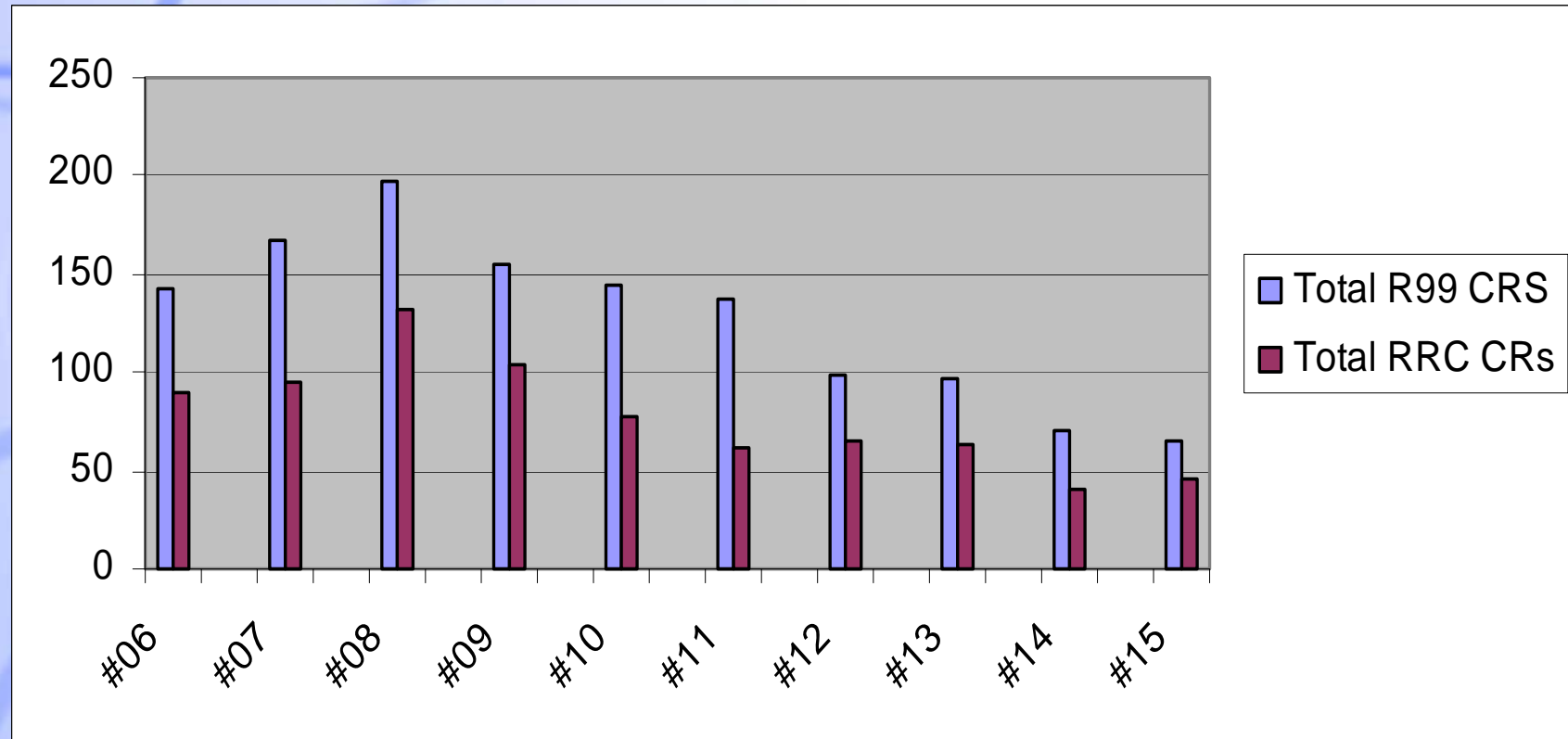
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Release 99 activities

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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**

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MAC/BMC/PDCP

- **Protocols are stable**

- **Correction of DSCH support in MAC (and RRC)**

Cell selection/re-selection

- **Stable**

- **One correction on TDD DRx calculation, one FDD clarification**

RRC

- **Still many needed corrections**
  - Size of the corrections, and impact on actual implementations or interoperability, is decreasing
    - Smaller CRs, but about same amount as last time
  - Many needed clarifications not impacting an educated implementation…

- **Completion of security** ☺
  - Major work accomplished
  - List of open items closed in March 02
  - SA3 accepted some simplifications proposed by RAN2

- **One last UP open item identified**

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RRC CRs per function/category

Category	Count
readability of spec	1
DTX	1
DSCH	1
ASN.1 comments	1
RB config	1
UTRAN mobility	1
transition to DCH	1
DCH to FACH transition	1
SHO	1
ASN.1 spares	1
timing maintained HHO	1
RRC timer	1
RRC est/release	1
Security	1
ASN.1/Tabular	1
Handling of RRC IE	1
TF selection	2
2G/3G handover (radio)	2
SRNS relocation	3
NAS support	3
SIB handling	4
UE positioning	4
TDD	5
Measurements	7

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Change Requests on rel 99 specifications

- **Refer to RP-02061 for complete list**

Release independant frequency bands

- **Complete**

Release 4 activities

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Release 4 CRs

- **Some corrections, mainly on LCR-TDD**

- **Refer to RP-020061 for complete list**

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Release 5 activities

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**

- **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

  — Not completed by lack of time

- **Proposed to be completed in June 02**

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

- **Release 6 WI**
  - No activity

High Speed Downlink Packet Access

- **Completed according to Work Plan!!**

  — Stage 2 complete

  — One CR on 25.308 capturing the overall progress

  — Change Requests to core specifications have been completed in RAN1, RAN2 and RAN3

    – All WG delegates should be thanked for this great achievement

UE Positioning (UP) enhancements

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

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UE positioning enhancements for 1.28 Mcps TDD

- **Completed**

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

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

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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.**
  — Proposal is to proceed with the writing of the Stage 3 in Release 6, and discontinue the TR.

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Terminal Power Saving

- **No activity**

Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN

- **Some study and many questions**

- **It was mentioned that it may be split in two WIs, one for Broadcast, one for Multicast.**
  - No decision. It will be considered when RAN WG2 has a better understanding of MBMS

- **Joint meeting with SA2 to be organised**

- **Plananed joint session with RAN3 in April 02**

- **WI should be shifted to R6**

Small Technical Enhancements and Improvements for Rel-5

- **Three proposals**
  - NACC for 3G to 2G handover
    - A proposal was made to support the radio interface only in release 5, for CELL_DCH state only. No decision yet. Request from RAN to continue work on it until June 02 as a Release 5 candidate.
  - Provision of timing information from the UE to the SMLC for improvement of A-GPS assistance data
    - No time.

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Feasibility Study under RAN WG2

- **None**

Release 5 Items under other WGs

- **All completed as requested by responsible WG**

Conclusions

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Chairman's concluding remarks

- R99
  - **Greatest achievement was the completion of security. Several companies have spent several man/weeks _each_ to finalise it!!**
  - **R99 took less of RAN WG2 meeting time but still 75% of last meeting. Now that security is complete, there remains only one open item on UP and the release is complete. We can also notice a clear decline on importance of CRs**
  - **More corrections will take place after March 02, but will be more and more on minor functionalities and with isolated impacts.**
  - **Next task is to assist T1 (based on March 02?)**

- R5
  - **HSDPA has been completed. Good sinergy with other groups**
  - **Some small R5 work items requested to be progressed until June 02**
  - **WI under other groups finalised**

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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