Status report of RAN WG2 to RAN #19

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RAN WG2 Chairman

RP-030173

Main activities since last RAN Plenary

- **Release 99 corrections**
  - Occupied 2 days of last meeting, number of CRs is down.

- **Release 4 corrections**
  - Very few

- **Release 5**
  - HSDPA corrections
  - Completion of some TEIs

- **Release 6**
  - Big progress towards MBMS architecture. Convergence of companies on key functions; reasonable synergy with SA2.
  - Joint meeting with RAN3/SA5 on trace functionality.

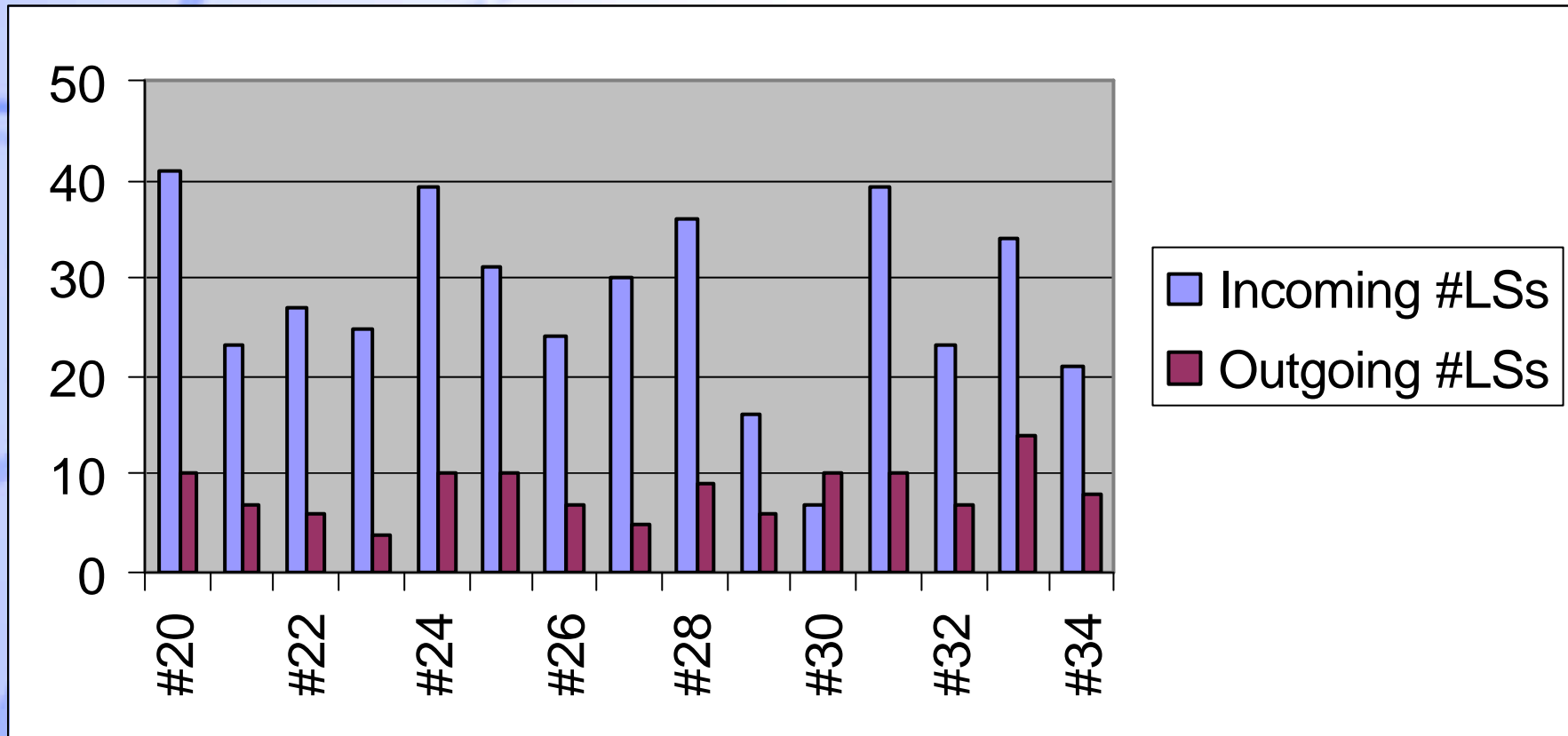- **RAN2 Chairman and Vice-Chairman were re-elected**

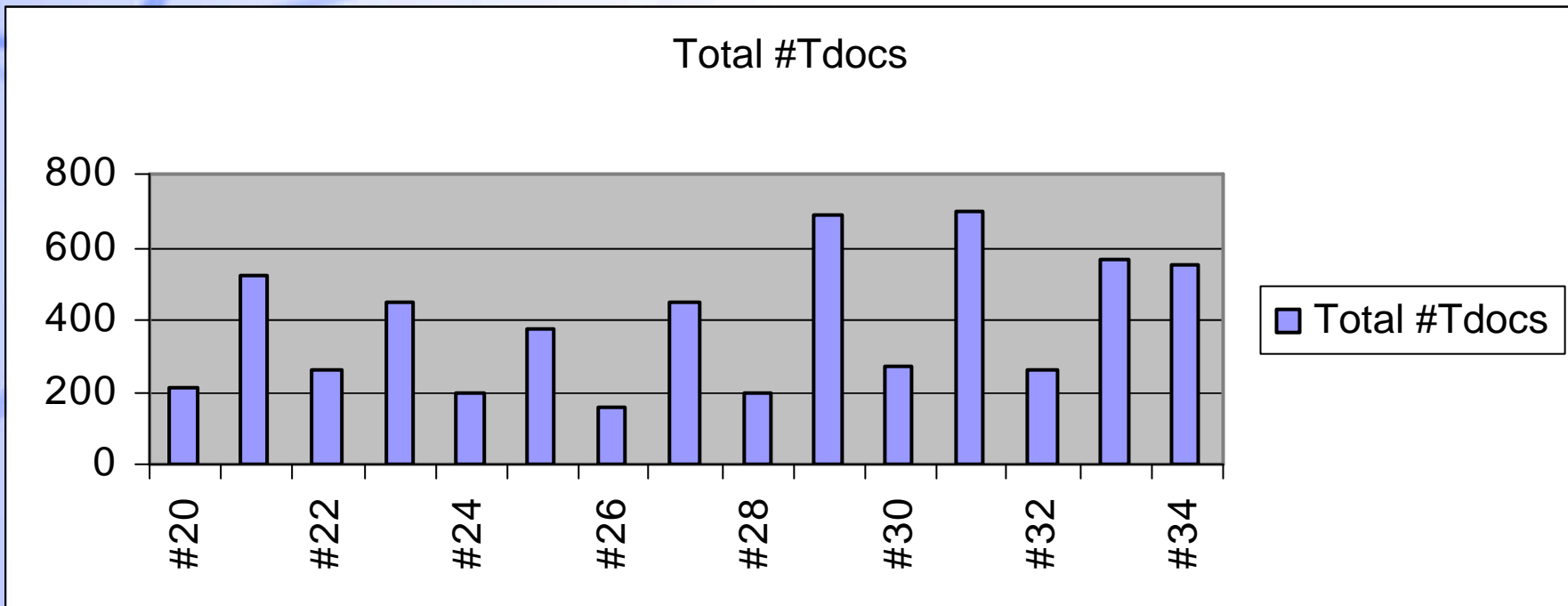NORTEL NETWORKS

RAN WG2 statistics

Meetings held since last RAN Plenary

- **Joint RAN2/RAN3 ad-hoc on MBMS in Jan 03, UK**

- **RAN WG2 #34 in Feb 03, Sophia Antipolis**
  - Joint RAN2/RAN3/SA5 on Trace functionality

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Liaison statements In/Out

Total number of documents per meeting

Total #Tdocs

[Bar chart showing Total #Tdocs per meeting]

Y-axis: 0, 200, 400, 600, 800

X-axis labels: #20, #22, #24, #26, #28, #30, #32, #34

Legend: ■ Total #Tdocs

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Rel 99 Change Request statistics (1)
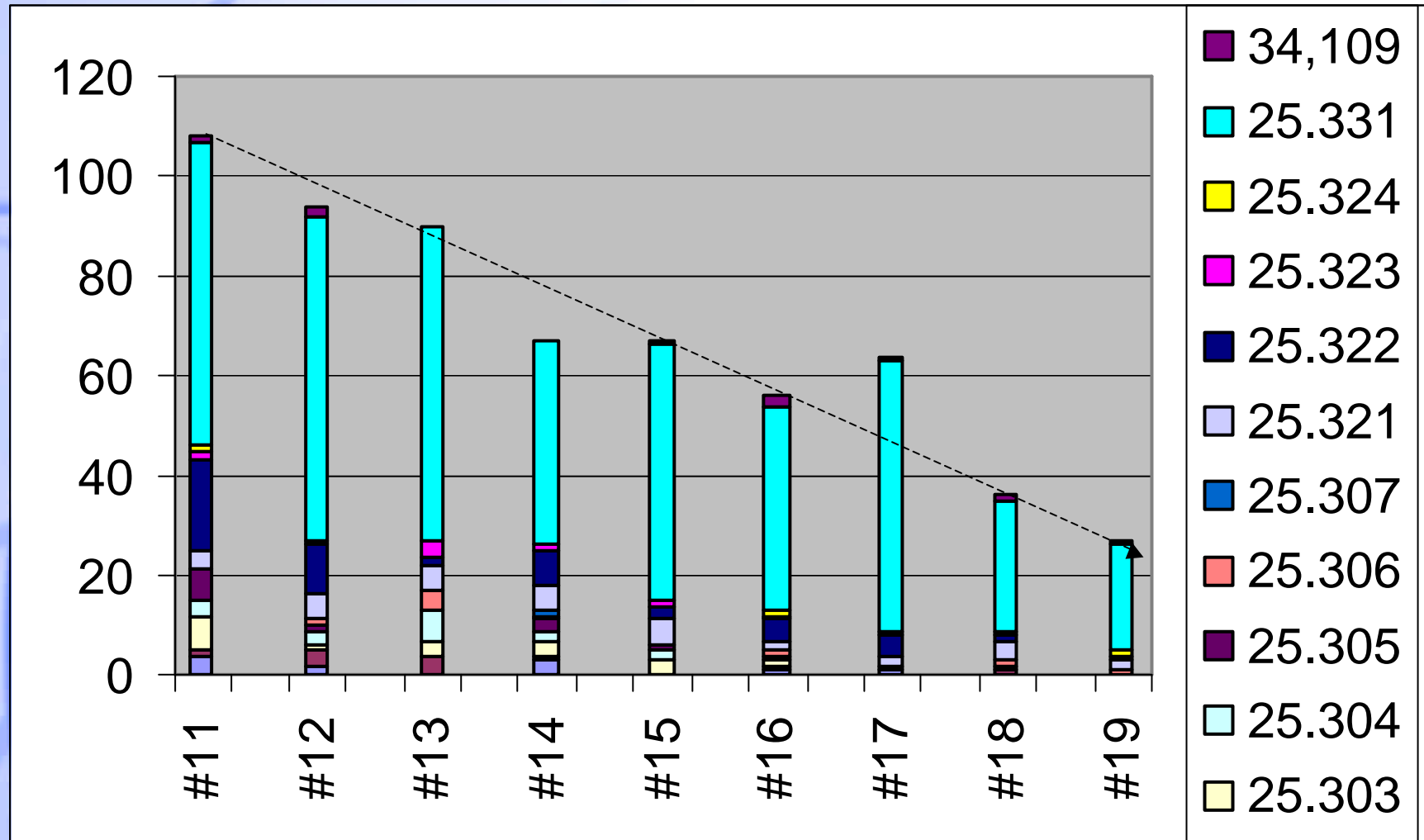
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Rel 99 Change Request statistics (2)
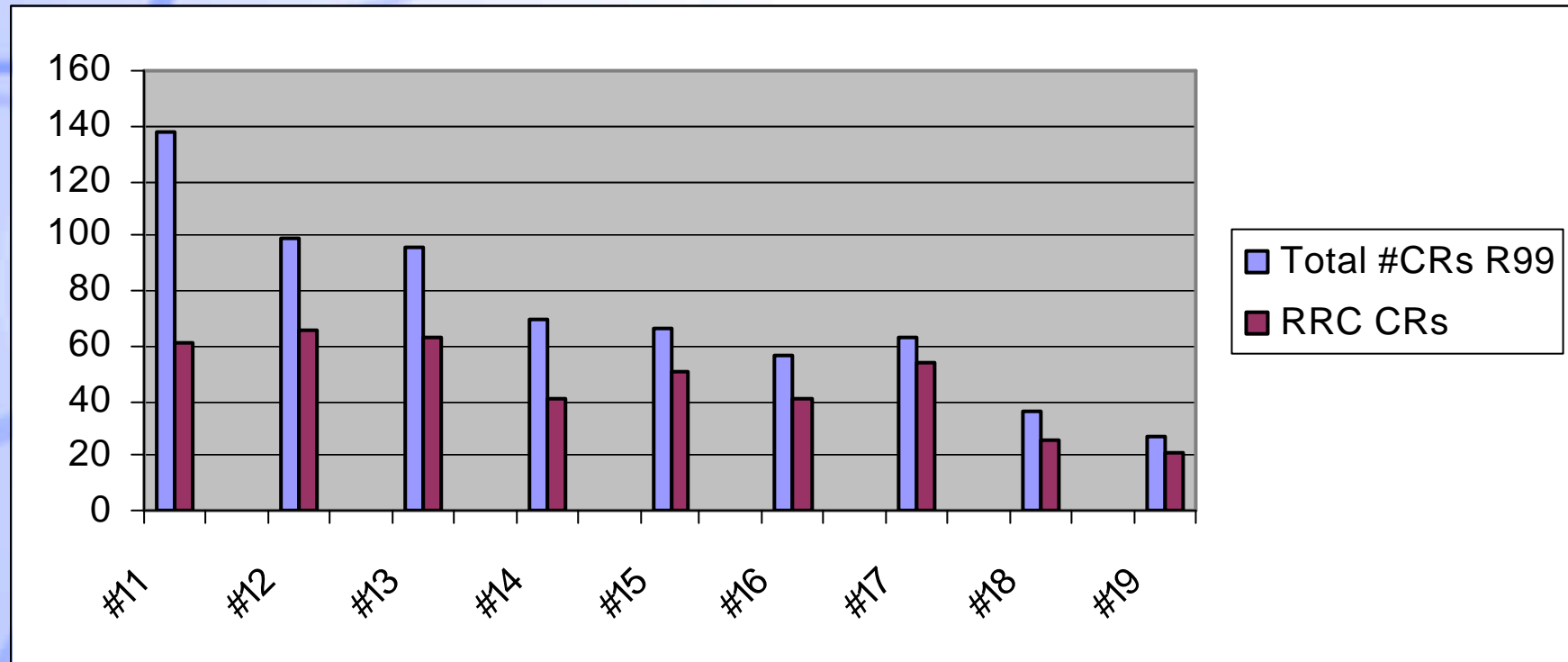
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Release 99 activities

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Change Requests on R99 specifications

- **Refer to RP-030019 for complete list of RAN WG2 agreed CRs**

PDCP/RLC/MAC/BMC

- **RLC**
  - 1 CR

- **MAC**
  - 2 CRs

- **PDCP**
  - No CR

- **BMC**
  - 1 CR

Cell selection/re-selection

- **No CR**

RRC

- **Number of CRs continues to decrease**
  - — Size of the corrections is decreasing
    - – Smaller CRs

- **Most CRs are either:**
  - — Mostly worded as « UE should » in R99, « UE shall » in R4
  - — Even the R99 « shall » that should not impact an educated UE implementation…

Release independant frequency bands

- **No CR**

34.109

- **One CR in RP-030108**
  - — Company revision needed to move mandatory text from a note to a normal paragraph. Revision in **RP-030162** (Panasonic)

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25.993 RAB/RB examples

- **3 CRs**

- **Recap on how this TR is handled:**
  - It is a release independant TR. Actual release from which a Radio Bearer applies is specified in the text
  - The current TR on which CRs are made is Release 6
  - CRs are handled in RAN WG2 under the Agenda Item of the applicable release
  - It was requested that in RAN Plenary, all CRs are under **Release 6** on the RAN Agenda Item

Other CRs submitted to Plenary under company name

- **RP-030146 on RRC from Motorola/Nokia**
  - — Lack of time to complete it by e-mail.

- **Other**
  - — E-mail agreement on the mandatory reading of SIB11/12. No CR provided, and the issue may be revisited if needed i.e. if the specification need to be made clearer. Anyway, everyone's understanding should now be common.

Other aspects

- **Discussion on interaction between CN paging and RRC out-of-service mechanisms. Discussion is first to identify if we do indeed have a problem; Several scenarios have to be analysed.**

  — Since this is a cross-groups discussion (CN1, SA2, GERAN and RAN2), an ad-hoc is likely to be organised.

Release 4 activities

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Release 4 CRs

- **Number of corrections decreases**
  - 1 CR on 25.305, 7 CRs on 25.331

- **Refer to RP-030019 for complete list**

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3GPP

Release 5 activities

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Release 5 CRs

- **Corrections on HSDPA**

- **R5 TEIs completed on:**
  - Group release for RNC reset
  - NACC for UTRAN to GPRS network directed cell re-selection
  - RRC signalling optimisation

- **Refer to RP-030019 for complete list of CRs**

- **Agreement in RAN WG2 to extend Rel 5 deadline for the following subjects, if confirmed by RAN Plenary:**
  - Reducing the size of the "Inter RAT Handover Info" message
    - Release discussion…

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HSDPA

- **Corrections of MAC and RRC**

- **Work with RAN WG3 on some RRM aspects on Iub interface**

- **Alignment with RAN WG1**

- **Analysis of HSDPA operation between L1 and upper layers**

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Small Technical Enhancements and Improvements for Rel-5

- **NACC for 3G -> 2G HO was finalised**

- **Compression of RRC signalling was finalised**

- **Group release for RNC reset was finalised in RAN2**
  - CR 1880 on 25.331 in **RP-030120** complete for radio interface. Linked RAN3 CRs not available. However « group » feature needed in R5 UEs, and Iur could be decoupled.

- **Handover UTRAN/GERAN Iu mode**
  - Important progress on RAN2 understanding
  - List of comments was sent to GERAN and SA2

Release 6 activities

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List of release 6 Work Items under RAN WG2

- **MBMS**

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

- **Radio access bearer support enhancement**

- **UE positioning enhancements**

- **Terminal power saving**

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MBMS

- **Important progress was made on architecture aspects**

- **Subject attracting more and more contributions**

- **Many joint discussions with RAN WG3**

- **Principles for UE states handling have converged**
  — RRC connection is the baseline for UE states in MBMS

- **Work expected to progress in RAN WG1**

- **Next meetings expected to finalise the architecture/stage 2 and start on stage 3 design**

- **See status report**

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

- **WI was completed**

  — CRs on PCAP provided to the plenary (specification under RAN WG3)

  — See status report

Small Technical Enhancements and Improvements for Rel-6

- **none**

Feasibility Study under RAN WG2

- **Enhancements to OTDOA Positioning using advanced blanking methods**

Enhancements to OTDOA Positioning using advanced blanking methods

- **Work ongoing in RAN WG1.**

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Release 6 Items under other WGs

- **Joint meeting on Subscriber and Equipement trace with RAN3 and SA5**
  - Good understanding now of SA5 requirements/organisation of work
  - Main impacts are on RAN3, no RAN2 impact foreseen
  - Work Item to be proposed this week in Ran Plenary

Conclusions

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Chairman's concluding remarks

- **R99 is still an important part of RAN2 activity, but size and complexity of CRs is decreasing**

- **Resolving R99 problems takes time but corrections least (or not) affecting current UE implementations are found**

- **HSDPA complete. Correction phase well under way.**

- **Significant increase in MBMS activity, with convergence on previously contentious points**

- **R5 TEIs completed as planned. One last may be allowed for the next meeting.**

- **RAN WG2 moving towards 6 meetings a year**
  - Some ad-hoc may be needed depending on workload

- **Future work should be mainly on:**
  - R99 corrections (still), IMS support, MBMS, Release 6 TEIs

Past work has been paying off
release 99 changes decrease, quality increases.

Please sustain efforts and keep experts active in RAN WG2

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