

# Report from WG3 chairman to TSG-RAN #19

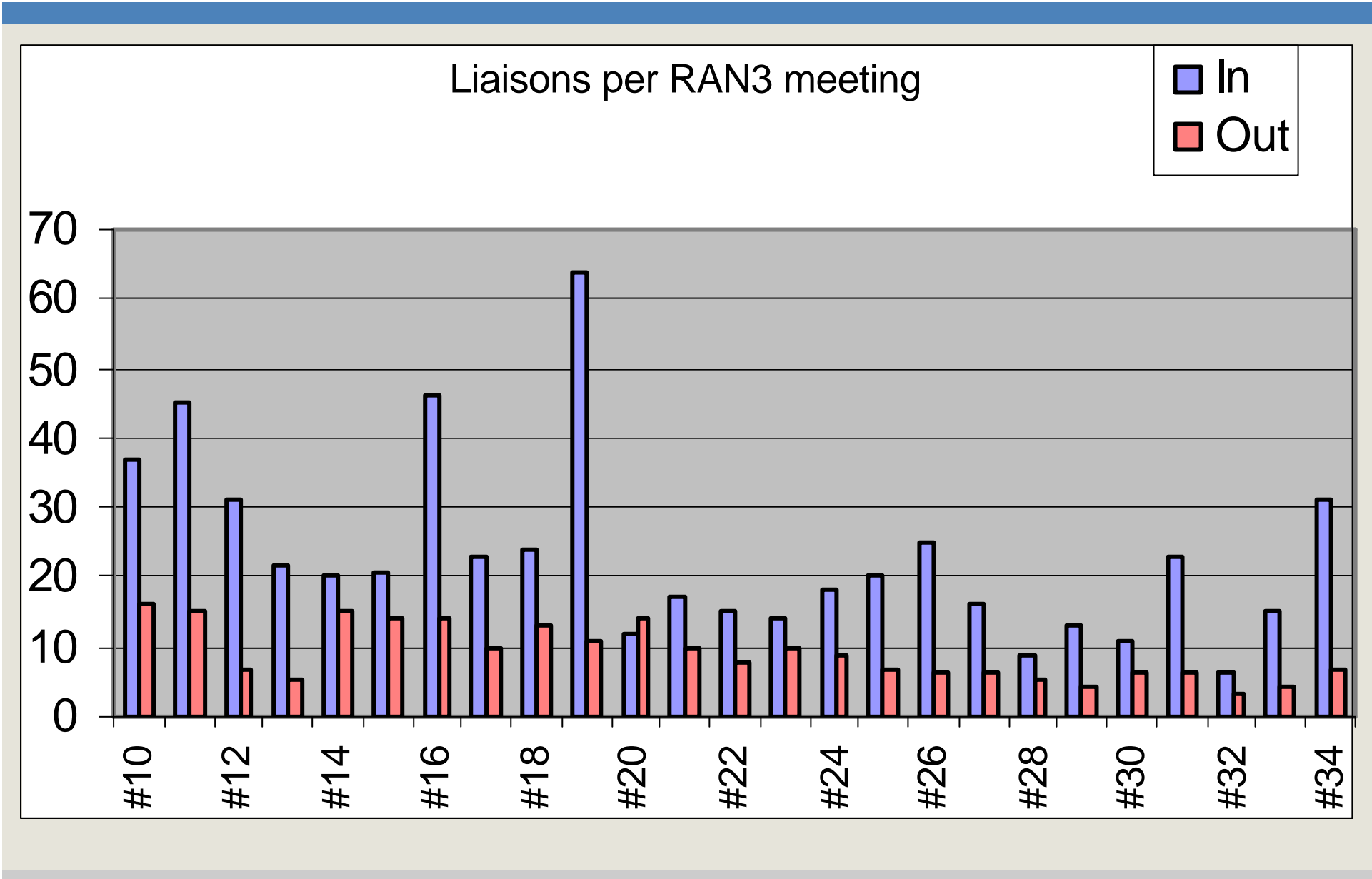
Martin Israelsson  
RAN WG3 Chairman

## Meetings since previous RAN Plenary

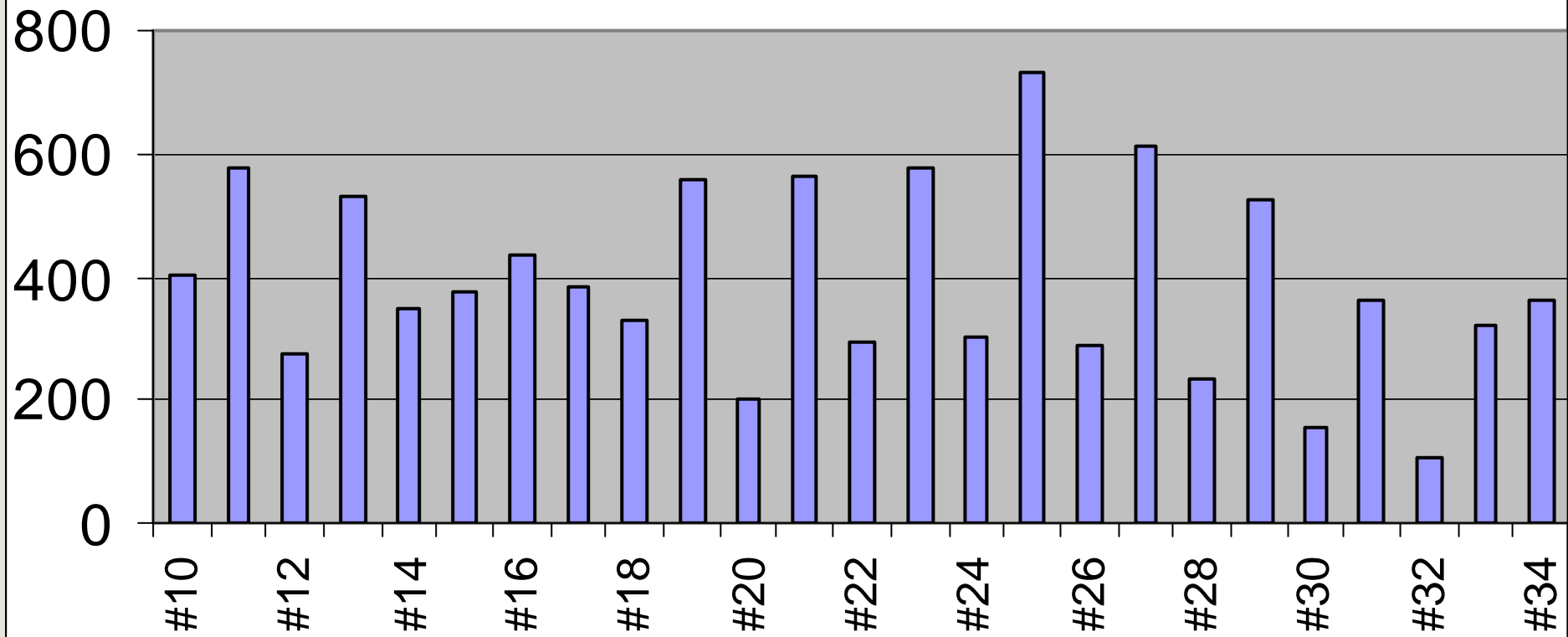
- Joint RAN2&3 on MBMS, 15 – 16 January, Wokingham
- RAN3 Rel-6 adhoc, 17 January, Wokingham
- RAN WG3#34, 17 - 21 February, Sophia Antipolis
  - Joint ½ day session with RAN2 and SA5 on Trace
  - Joint 1¾ hour session with RAN2 on HSDPA

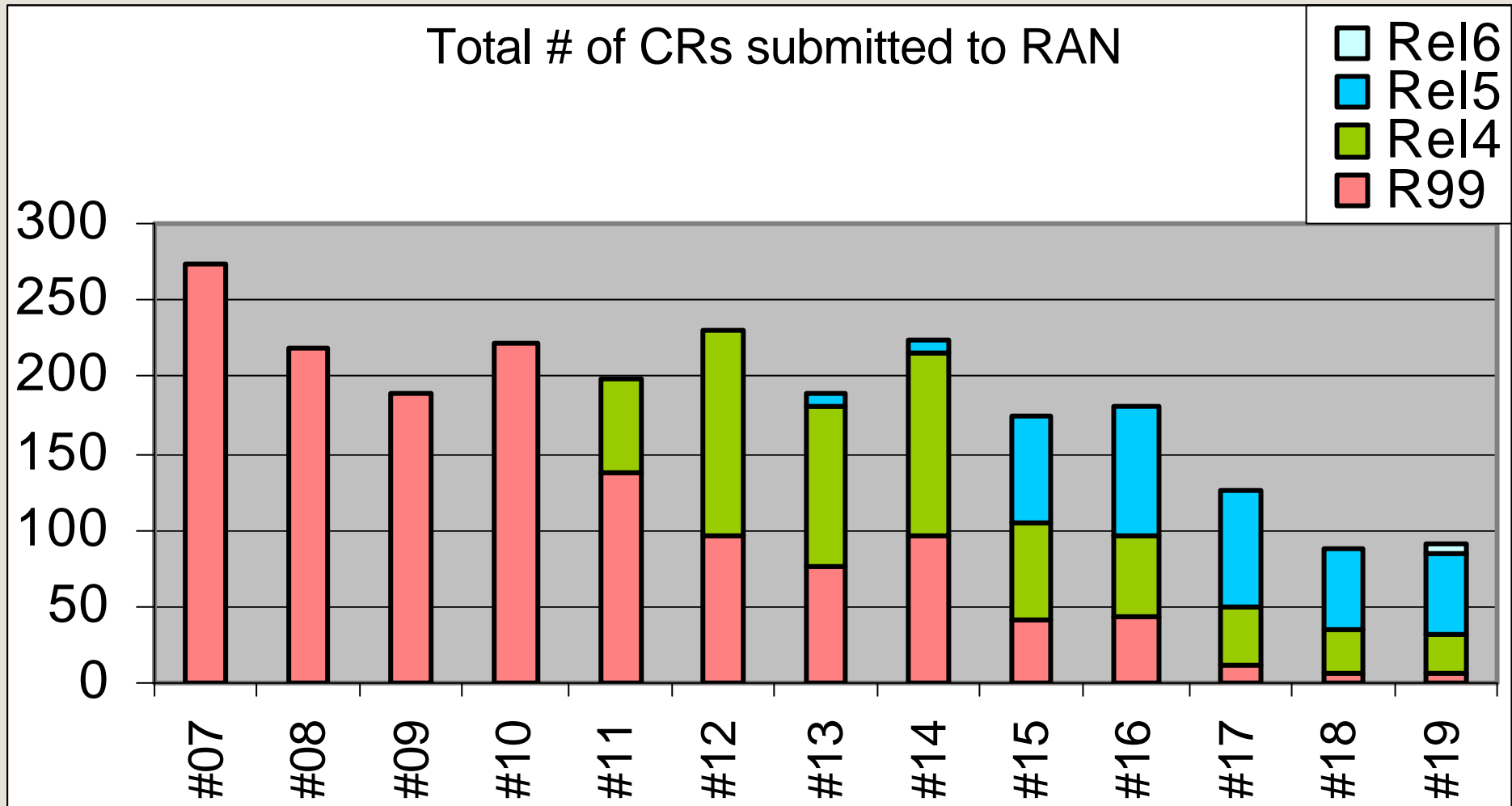
## Executive summary

- The amount of R99 & Rel4 CRs has stabilized.
  - 7 R99 + Rel-4 and Rel-5 mirror CRs
  - 18 Rel-4 + Rel-5 mirror CRs (majority TDD)
  - 28 Rel-5 only CRs (majority HSDPA and TDD)
  - Complete list of CRs (R99, Rel-4 & Rel-5) in RP-030053
- R99 +mirror CRs requires less than 20% of meeting time.
- Technically correct Early UE CR(s) are available.
- Progress on RAN3 Rel-6 topics has been low despite the separate Rel-6 adhoc.
- Election of new chair performed. New chair from RAN3#35 is Alexander Vesely (Siemens).

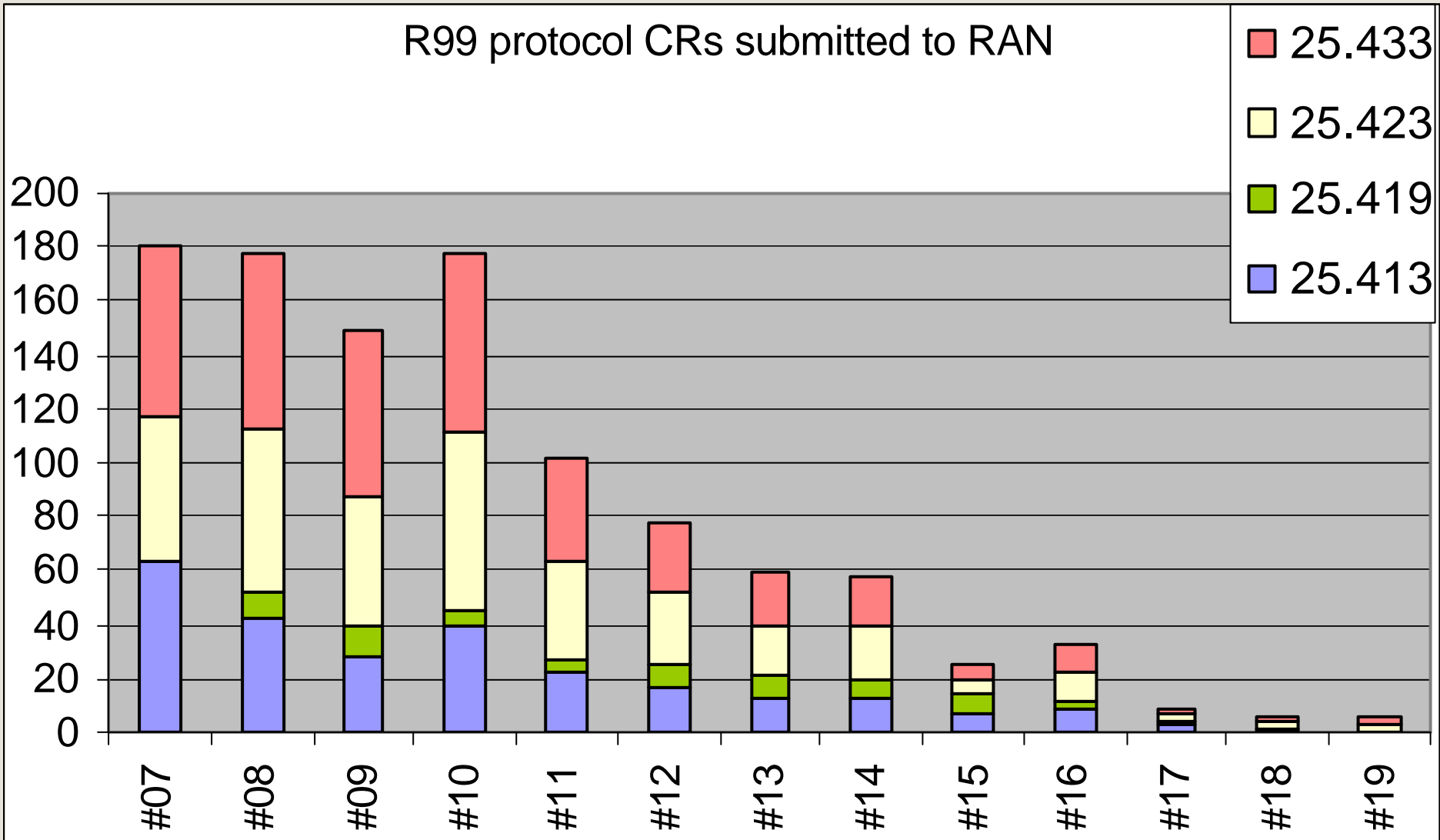


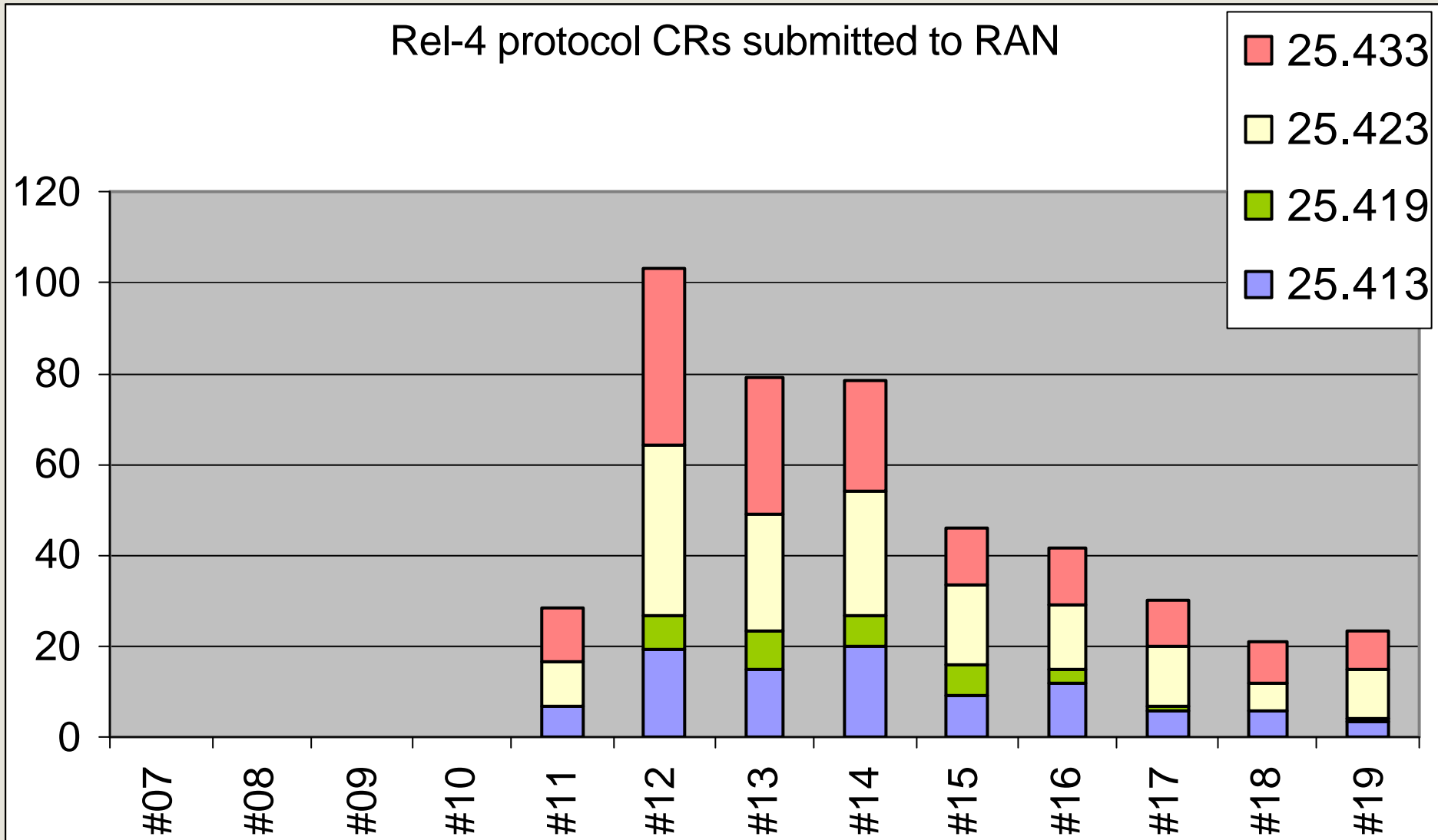
### Total #Tdocs per RAN3 meeting



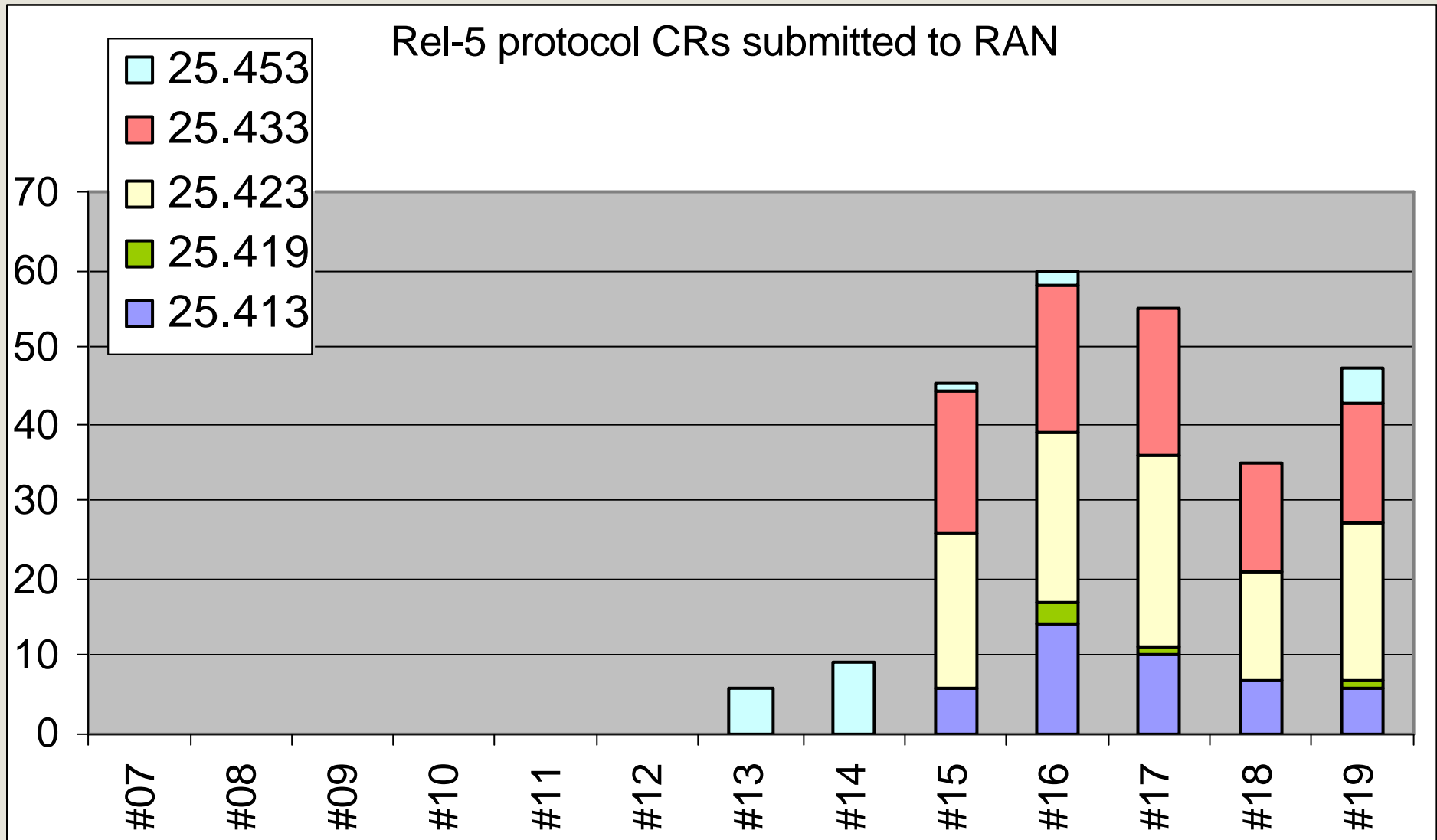


R99 protocol CRs submitted to RAN










## Actions on WG3 from TSG RAN #17

Review the LS from SA WG2 in RP-020894 on the description of the LCS architecture and answer the questions raised by SA WG2 (section 6.3)

 RAN3 member comments brought into discussion at RAN2. Reply LS sent by RAN2.

To review the AISG specification (to be presented by a 3GPP member company)

 First approved AISG draft specification was presented together with draft WI proposal. Questioned if this interface needs to be visible in UTRAN, one mentioned alternative was an O&M interface like Itf-N handled by SA5.

# R99, Rel-4 and Rel-5 activities

## Topics for the R99 CRs

- TCP Port Number (for Iu-BC), (25.414).
- Corrections to Channelisation Code TFCI Mapping for TDD, (25.423 and 25.433).
- Support of Cell Individual Offset in RNSAP, (25.423).
  - Proposed revision by company contribution in RP-030168 (currently discussed on RAN3 reflector).
- Corrections to DCH Combining in RL SETUP and RL ADDITION, (25.423 and 25.433).
- Corrections to the list of RANAP messages transferred on the E-interface (specific request from CN1), (29.108)

## Early UE RANAP CR

Rel-5 CR for transfer of UESBI container over Iu discussed.

Some delegates questioned the proposal to include this only in the Rel-5 specifications. Since a release discussion was outside the scope for RAN3 it was agreed to provide a full set of technically correct CRs (R99, Rel-4 and Rel-5, see RP-030086) to TSG RAN, and leave the discussion on the release to TSG RAN.

# Release 5 specific activities

## HSDPA Iub/Iur protocol aspects

- About 50 contributions submitted.
- 14 agreed CRs.
- Main unresolved issue is on measurements/reporting for RRM. Short joint adhoc (1:45h) with RAN2 to agree on what/how Node B will report regarding transmit power and GBR but no consensus yet.

## Interworking between IP nodes and ATM nodes

- Three interworking options were included in the Rel-5 IP UTRAN work.
- An alternative proposal for the IP ALCAP in interworking option 3 has been proposed. The alternative proposal is based on IETF Pseudo-Wire Emulation End-to-End (PWE3).
- No agreement has been reached on the new alternative proposal.



## IMS Signalling RAB

- SA2 came back with a new LS that asked for inclusion of a signalling flag or other QoS attribute that would allow UTRAN to apply specific handling for signalling RABs already in Rel-5.
- RAN3 discussed the topic and agreed to introduce an additional level of QoS for Interactive traffic by a 'flag'.
  - Category B CR557 “Inclusion of IMS Signalling Indication into R5 RANAP” (RP-030060).

## S-CCPCH power setting in case of no data transmission

- CR095 25.435 (RP-030064) was agreed assuming that RAN1 would agree on the formula (min of max) during a reflector discussion.
- No consensus has however been reached on the RAN1 reflector, there has been objections on the proposed formula.

# Release 6 specific activities

## Improvement of RRM across RNS and RNS/BSS

- Limited progress on TR25.891 during the Rel-6 adhoc.
- No contributions (except the updated TR) treated during RAN3#34.
- One solution described but more solutions are expected.
- Status report RP-030083

## FS on the Evolution of UTRAN Architecture

- Some requirements agreed for TR25.897 during the Rel-6 adhoc.
- No contributions (except the updated TR) treated during RAN3#34.
- Status report RP-030085

## FS on Improved Access to UE Measurement Data for CRNC to support TDD RRM

- Work on TR25.801 started at the Rel-6 adhoc. Contributions on Requirements and Benefits agreed.
- No contributions (except the updated TR) treated during RAN3#34.
- Status report RP-030087

## Progressed non RAN3 Rel-6 WIs/SIs

(R2 WI) Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN, **Architecture work progressed during the joint adhoc with RAN2, no time at RAN3#34.**

(R2 WI) Open SMLC-SRNC interface within the UTRAN to support UTRAN Rel'4 positioning methods, **Rel-6 CRs agreed for 25.401, 25.450, 25.452, 25.453 (RP-030084).**

**Two open issues remains:**

- ✍ Equivalent to “Round Trip Time” measurement for TDD mode**
- ✍ Support for of “Pathloss” or similar measurement**

**but assumed that they can be closed before next RAN.**

## Not progressed non RAN3 WIs/SIs (1)

- ✍ (R1 WI) Improvement of inter-frequency & inter system measurements, No contributions submitted for the Rel-6 adhoc or for RAN3#34.
- ✍ (R1 WI) Beamforming Enhancements, No contributions submitted for the Rel-6 adhoc. No time to treat submitted contributions at RAN3#34
- ✍ (R1 SI) Fast Cell Selection (FCS) for HS-DSCH, No contributions submitted for the Rel-6 adhoc or for RAN3#34.
- ✍ (R4 SI) UTRA Wideband Distribution Subsystems (WDS), No contributions submitted for the Rel-6 adhoc or for RAN3#34.



## Not progressed non RAN3 WIs/SIs (2)

- ✍ (R4 SI) viable deployment of UTRA in additional and diverse spectrum arrangements. **No contributions submitted for the Rel-6 adhoc or for RAN3#34.**
- ✍ (R1 SI) Improvement of inter-frequency & inter system measurements for 1.28 Mcps TDD [R3.011]. **No contributions submitted for the Rel-6 adhoc or for RAN3#34.**
- ✍ (R2 SI) Enhancements to OTDOA Positioning using advanced blanking methods. **No contributions submitted for the Rel-6 adhoc or for RAN3#34.**
- ✍ (R1 SI) Uplink Enhancements for Dedicated Transport Channels. **No contributions submitted for the Rel-6 adhoc or for RAN3#34.**

## Trace management

Joint meeting held with SA5 SWGD and RAN2

- Very useful SA5 presentation.
- Face to face discussion with SA5 experts will hopefully minimize the LS traffic on this topic.
- Draft WI proposal presented and feedback provided.

## Summary

- Amount of R99 and Rel-4 CRs has stabilized.
- Several corrections made to HSDPA but still some open issues.
- RANAP CR adding a “signalling flag” agreed to enhance the support for IMS signalling in Rel-5.
- Progress on Rel-6 has been low despite the specific Rel-6 adhoc.
- Meetings prior to RAN are still quite busy.

## Meetings 2003

Meeting	Dates	Venue, host
WG3#35	7 – 11 April 2003	Seoul, Korea, Samsung, (With R2)
WG3#36	19 – 23 May 2003	Paris, France, EF3 (All RAN groups)
TSG RAN#20	3 - 6 June 2003	tbd, Finland, Nokia
WG3#37	25 – 29 August 2003	Tbd, Europe, EF3 (With R2)
TSG RAN#21	16 - 19 September 2003	Tbd, Germany, Tbd
WG3#38	6 – 10 October 2003	Sophia Antipolis, France, ETSI (With R2)
WG3#39	17 – 21 November 2003	<i>San Diego (tbc), USA (tbc), (collocated with R2)</i>
TSG RAN#22	09 - 12 December 2003	tbd, HI, USA, ARIB/TTC/NA Friends of 3GPP