Status Report RAN WG3
to TSG-RAN #28

Alexander Vesely

RAN WG3 Chairman

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Meetings

Meetings since RAN#27

- RAN WG3 Adhoc on RET, 5 – 6 April 2005, Stockholm (Sweden)

- RAN WG3#47, 9 – 13 May 2005, Athens (Greece)

Executive summary

- **RAN3 agreed CRs:**
  - 0 R99 / Rel-4 CRs
  - 6 Rel-5 CRs (cat. F)
  - 76 Rel-6 CRs (6 cat. A, 57 cat. F, 1 cat. D, 8 cat. B, 4 cat.C)
  - 70 Rel-5/6 CRs cat C (Feature clean-up)
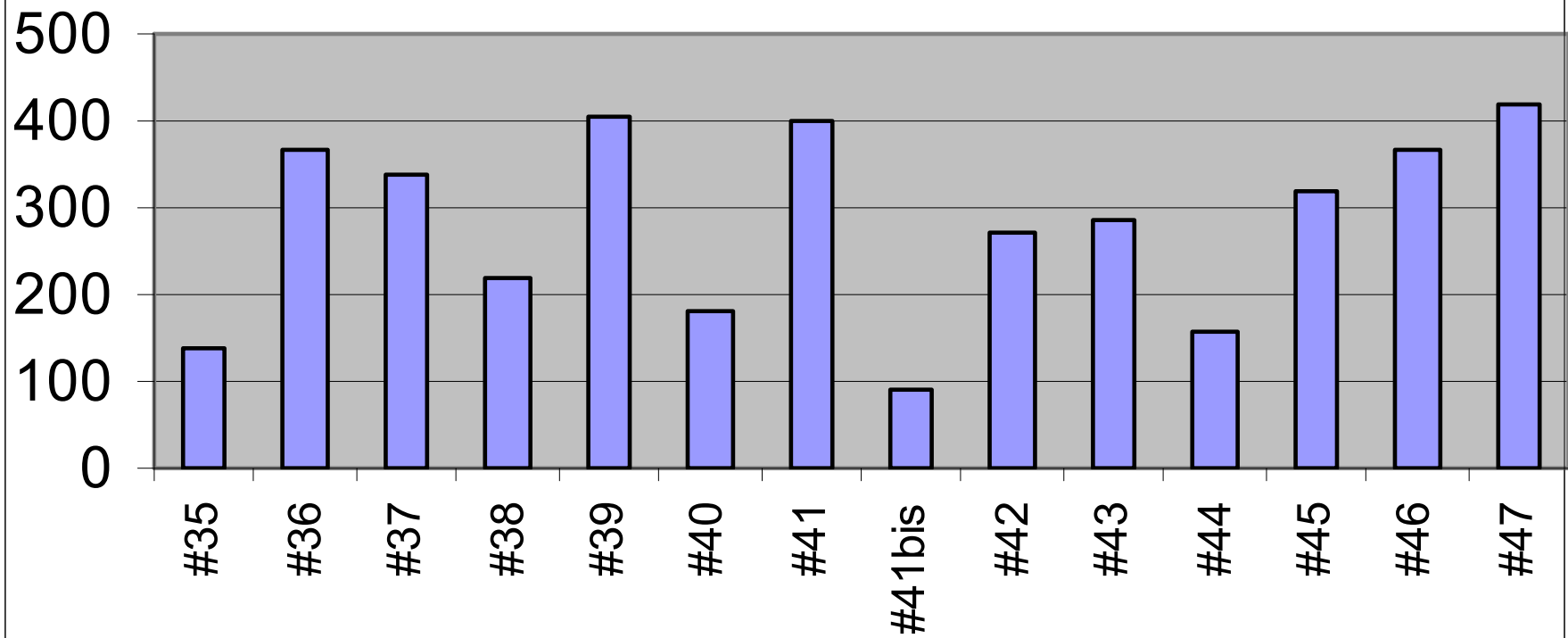 - 2 Rel-7 (cat. B)
  - Complete list of CRs in RP-050178

ex.sum (2)

Executive summary

- **feature removal**

- **MBMS: network synchronisation, FLC support**

- **E-DCH: alignment with RAN1/2 activities**

- **E-DCH/HSDPA Iur/Iub Congestion Control,**

    TR 25.902 available for information (v100)

- **RET: further correction work (adhoc held begin of April)**
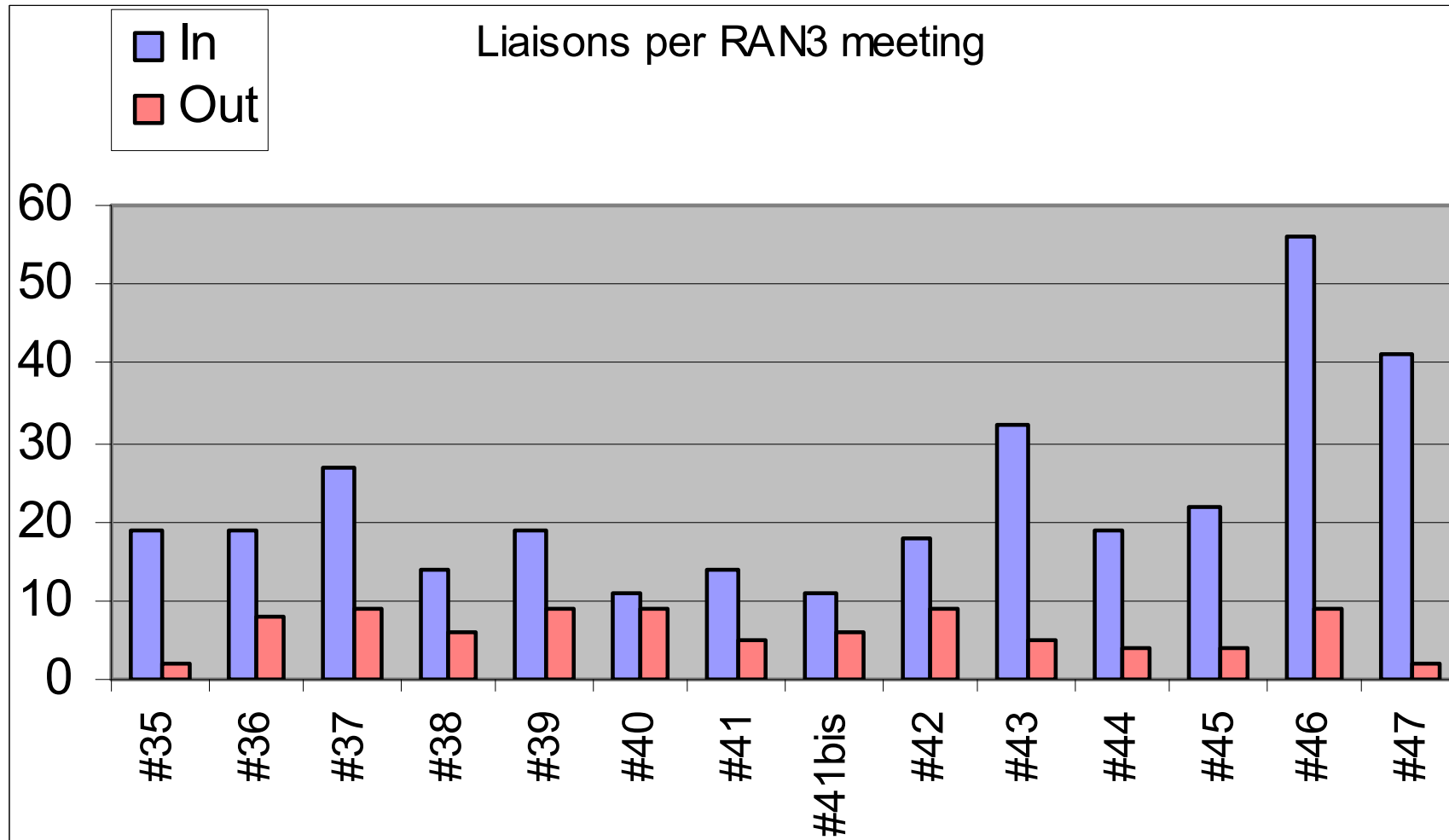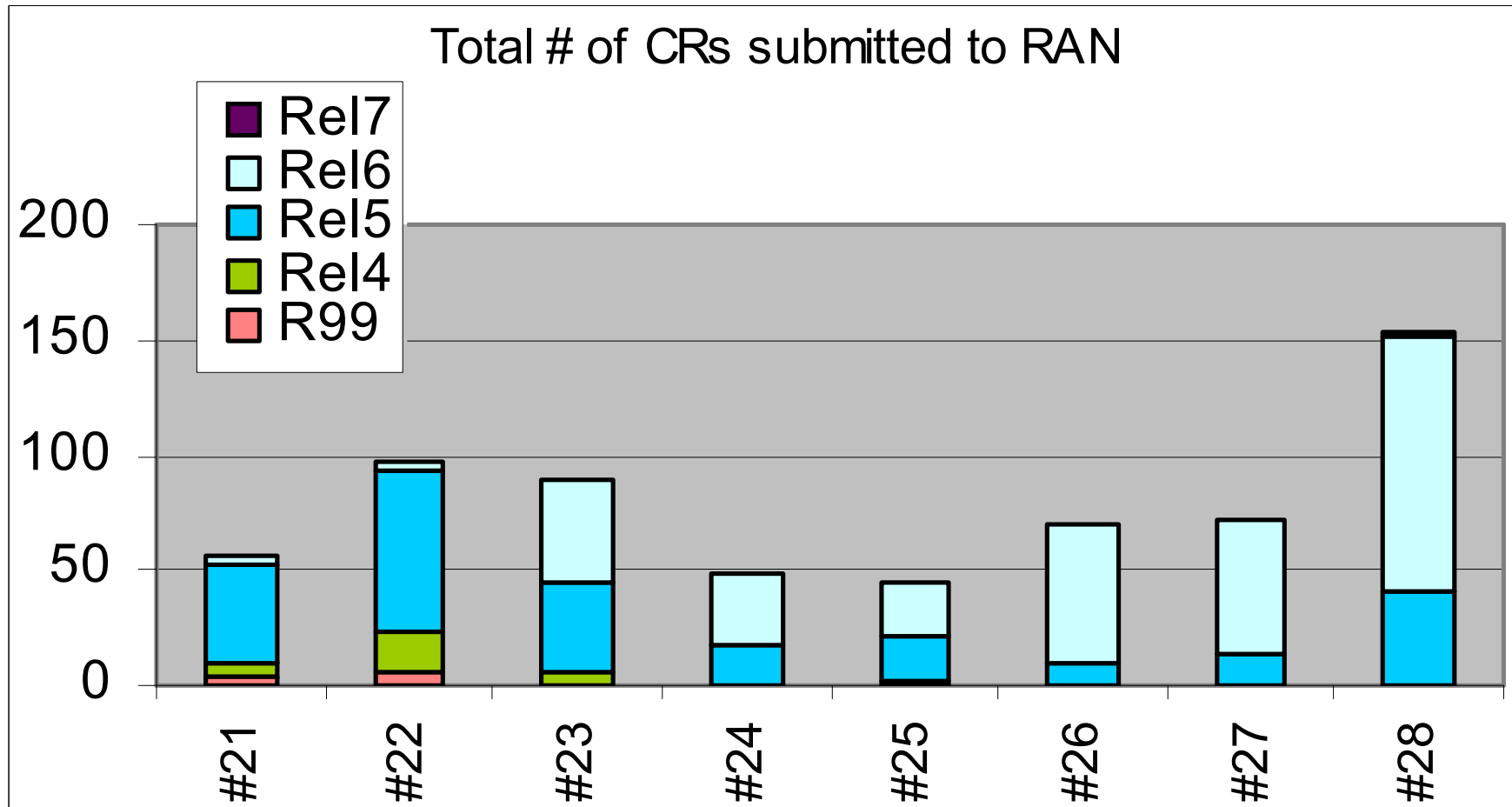
- **LTE: joint meeting with SA2**

Total #Tdocs per RAN3 meeting

Liaisons per RAN3 meeting

- In
- Out

Total # of CRs submitted to RAN

Legend:
- Rel7
- Rel6
- Rel5
- Rel4
- R99

Rel-5 protocol CRs submitted to RAN

Legend:
- 25.453
- 25.433
- 25.423
- 25.419
- 25.413

Rel-6 protocol CRs submitted to RAN

Legend:
- 25.463
- 25.453
- 25.433
- 25.423
- 25.419
- 25.413

No of tdocs per Rel-6 WI/SI
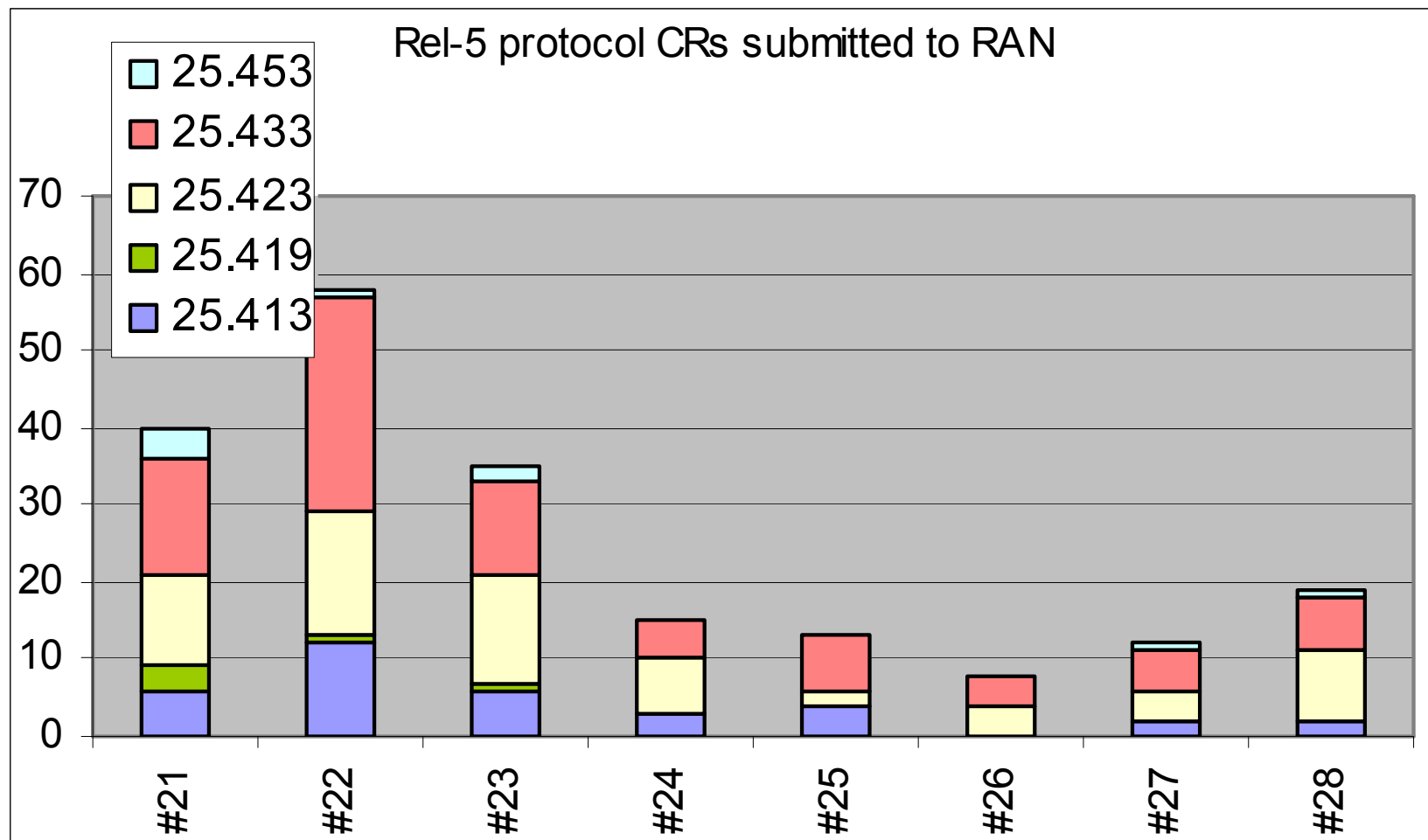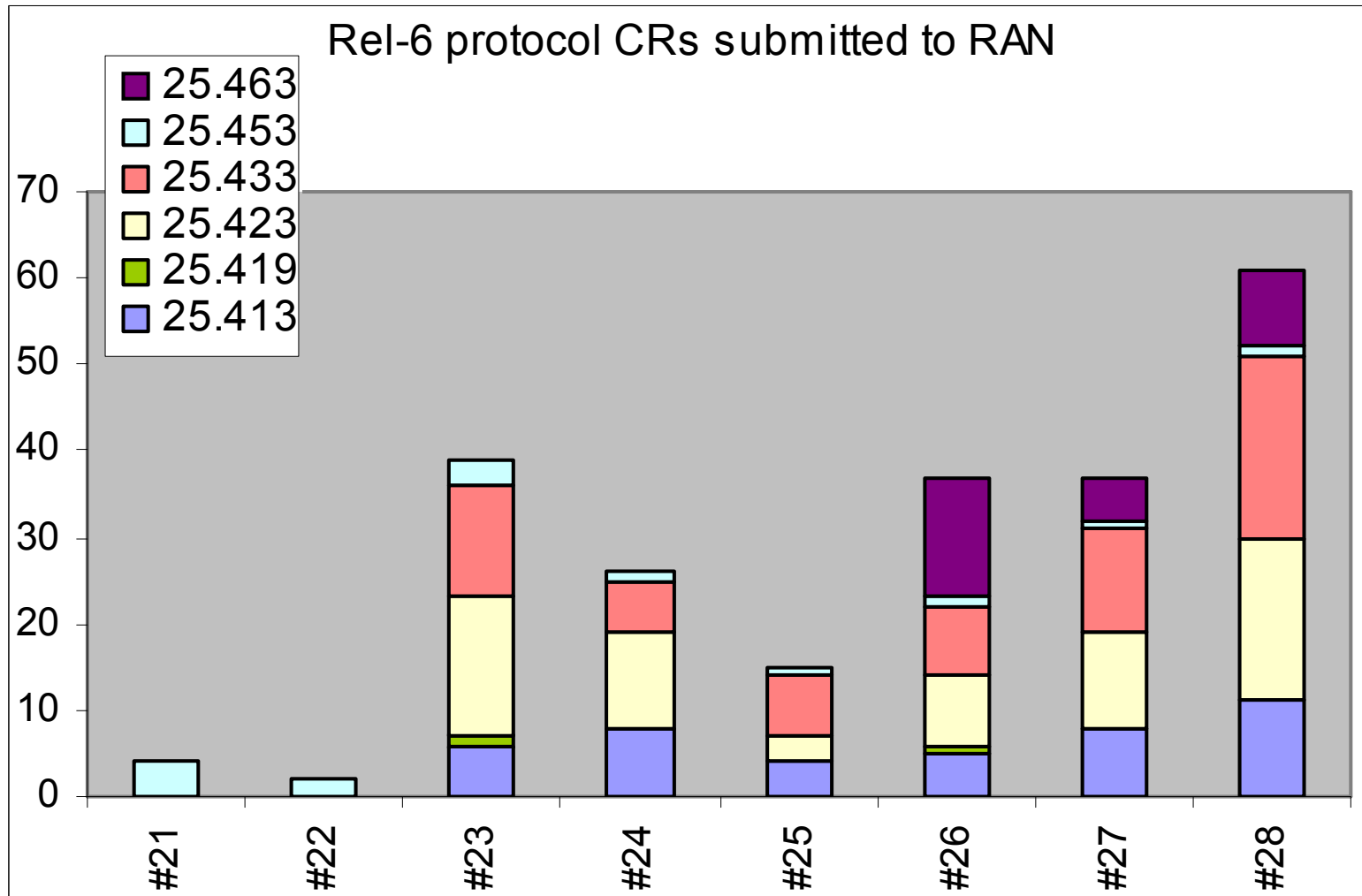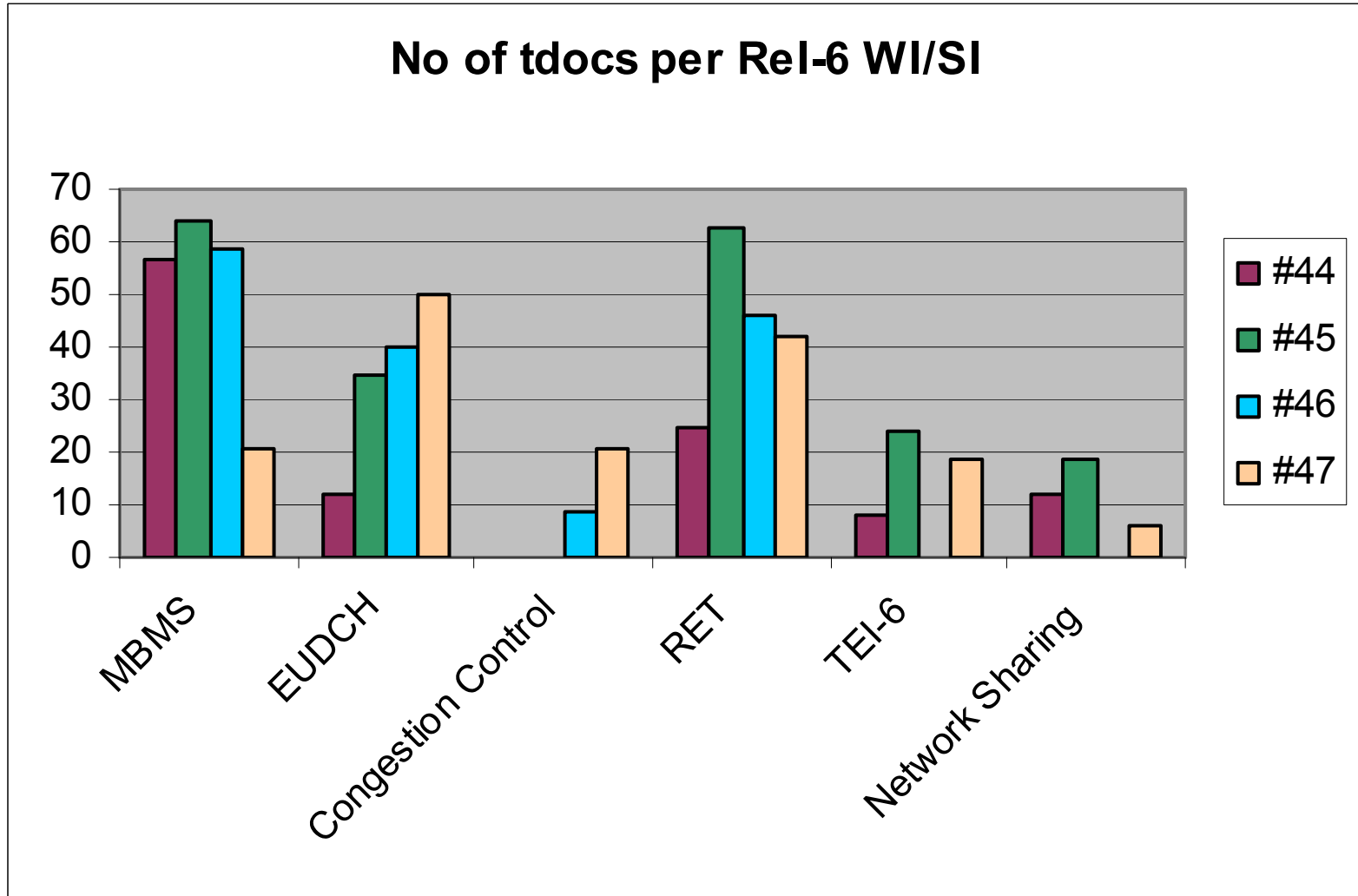
Release 5 specific activities

Release 5 issues

- **Feature Removal CRs produced as requested by RAN**
- **Correction to RANAP concerning RAB Queuing at Relocation**
- **Correction to Semantics of Cell Load Information (RANAP)**
- **Inter NodeB Intra DRNS serving HS-DSCH cell change**
  - CRs to 25.423 and 25.931 agreed
- **CR on release of Information Exchange Context in PCAP**

Release 6 specific activities

- **Introduction of the Multimedia Broadcast and Multicast Service (MBMS) in RAN**
  - NBAP CR for MTCH synchronisation & related CR for stage 2 (TS 25.402) agreed
    - further update for stage 2 likely
  - MBMS scenarios provided for TR 25.931
  - signalling enhancements for RANAP
    - indication of the presence of idle mode UEs in all RAs under SGSN control
  - generic information exchange procedure introduced in RNSAP
    - transport of Preferred Frequency Layer and Tranmission Mode Information)
  - Provision of number of idle mode UEs per RA on Iu not agreed

- **FDD Enhanced Uplink: UTRAN Iub/Iur Protocol Aspects**
  - TR 25.902 „Iub/Iur Congestion Control" v100 provided for information
    - agreed principles included in respective CRs
  - Alignment of RNSAP/NBAP with recent RAN2 decisions
  - provided Bit-Rate reporting
  - introduction of RRM support („Target RTWP")
  - „frame bundling" – concatenation of 2ms PDUs
  - addition of Consumption Law for E-DCH
  - RANAP impact: E-DCH MAC-d Flow ID in Relocation Container
  - Diversity Control for E-DCH – clarification for inter-frequency HHO

■ RET

- Adhoc was able to agree in principle on a couple of CRs which were finally agreed at RAN3#47

    - convenor: Andreas Hauser (Vodafone)

- no parallel session at RAN3#47

    - but Andreas still quite active backstage

- RETAP CRs on parallel procedure handling, DC power on sequence, forw & backw compatibility, overshoot during set tilt operation

    ⇨ agreement on „parallel handling" closes the last open issue

- CRs under RAN4 responsibility for 25.461 endorsed

- 2 Rel-7 CRs available

    - on TS 25.461 & TS 25.463, related to UMTS 2600

on finalised Rel-6 WIs – others

- **network sharing**
  - 2 small corrections on RANAP
  - still ongoing discussions in SA2 on load distribution

- **HS-DPCCH ACK/NACK Enhancement**
  - signalling optimisation on Iur/Iub

- **UMTS 1.7/2.1 GHz**
  - introduction of SIB5bis in NBAP

- **DS-CDMA introduction in the 800 MHz band / UMTS-850**
  - discussions on Iur impacts (Band Indicator) to be continued

Release-6 TEI

- **M3UA – ietf reference updated** (RFC 3332)
  - CRs for 25.410, 25.412, 25.422, 25.426 available

- **RANAP CR on storing the IMSI in RNC in case of lu flex**

- **CRs concerning release of lur connection in case of Relocation**
  - affecting TSs 25.420 & 25.424

- **PCAP correction on Information Exchange Context Release**

- **support of RLC Reset for HS-DSCH**
  - flush of MAC-hs priority Queues via Iur/Iub Frame Protocol

- **Timing Maintained HO**
  - rebase on latest version

- **GPS related corrections in RNSAP/NBAP** (SAT ID)

Release-6 TEI - TDD and others

- **TDD: On demand dedicated Measurement for multiple DPCHs** (NBAP/RNSAP)

- **TDD: change of range of FP Timing parameters** (Rx Timing Deviation, Received SYNC UL Timing Deviation)

- **(GERAN WI) PS Handover**

    (BB for "Support of conversational services in A/Gb mode via the PS domain")

    – interesting discussions on relocation containers to be continued

beyond-Release-6 activities

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RAN3 – beyond Release 6

- **(R2 WI) Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications**

  - proposed changes to 25.305 were endorsed from a RAN3 point of view – Iur specifics to be further checked
  - draft CR to PCAP shortly presented

- **(R1 WI) Optimisation of downlink channelisation code utilisation TDD**

  - no input

- **(R3 WI) 7.68Mcps TDD option: UTRAN Iub/Iur Protocol Aspects**

  - input for R3 internal TR on timing advance and node synchronisation agreed

RAN3 – beyond Release 6 (cont'd)

- **(R2 WI) Improved support of IMS Realtime Services using HSDPA/HSUPA**

  - one late contribution not treated

- **(R2 WI) CS and PS Call Setup Delay Improvement**

  - no input

- **(R3 WI) 3.84 Mcps TDD Enhanced Uplink: UTRAN Iub/Iur Protocol Aspects**

  - skeleton for R3 internal TR agreed

  - input for Iub/Iur userplane aspects agreed

- **(RAN WG SI) Evolved UTRA and UTRAN**

  - joint meeting with RAN2 and SA2 in Athens

  - further joint sessions with SA2 planned in Montreal (end June) and London (begin September)

  - see also RP-050352

Meetings 2005

TSG RAN#27	9 - 11 March 2005	Tokyo, Japan	Japanese Friends of 3GPP
RAN WG3 RET Adhoc	5 - 6 April 2005	Stockholm, Sweden	Powerwave
RAN WG3#47	9 – 13 May 2005	Athens, Greece	European Friends of 3GPP
TSG RAN#28	1 - 3 June 2005	Quebec, Canada	North American Friends of 3GPP
Joint RAN3-SA2 Adhoc on SAE/LTE	28 -30 June 2005	Montreal, Canada	North American Friends of 3GPP
RAN WG3#48	29 August - 2 September 2005	London, UK	European Friends of 3GPP
TSG RAN#29	21 - 23 September 2005	Tallinn, Estonia	European Friends of 3GPP
RAN WG3#48bis	11 – 14 October 2005	Cannes, France	European Friends of 3GPP
RAN WG3#49	7 - 11 November 2005	Korea	Samsung
TSG RAN#30	30 November - 2 December 2005	Malta	European Friends of 3GPP

Summary

- **Main focus on finalisation and stabilisation of Rel-6**

- **joint work with SA2 on LTE started**

- **Still further correction work expected for Rel-6**
  - ASN.1 freeze rather in December

- *last but not least: (this is not a flowery phrase !)*

  keep experts in RAN WG3

  in order to ensure protocol specification quality