

Status Report RAN WG3 to TSG-RAN #27

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RAN WG3 Chairman

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Meetings since RAN#26

- RAN WG3#46, 14 – 18 February 2005, Phoenix (US)



Executive summary

■ RAN3 agreed CRs:

- no R99 / Rel-4 CRs
- 14 Rel-5 CRs (cat. F)
- 58 Rel-6 CRs (14 cat.A, 24 cat.F, 11 cat.B, 4 cat.D, 5 cat.C)
including CRs for MBMS (8), E-DCH (4), F-DPCH (5), RET (18)
- Complete list of CRs in RP-050025

■ RAN3 technical endorsed CRs:

- CRs for TGPL2 removal
- CR on MBMS Time Alignment



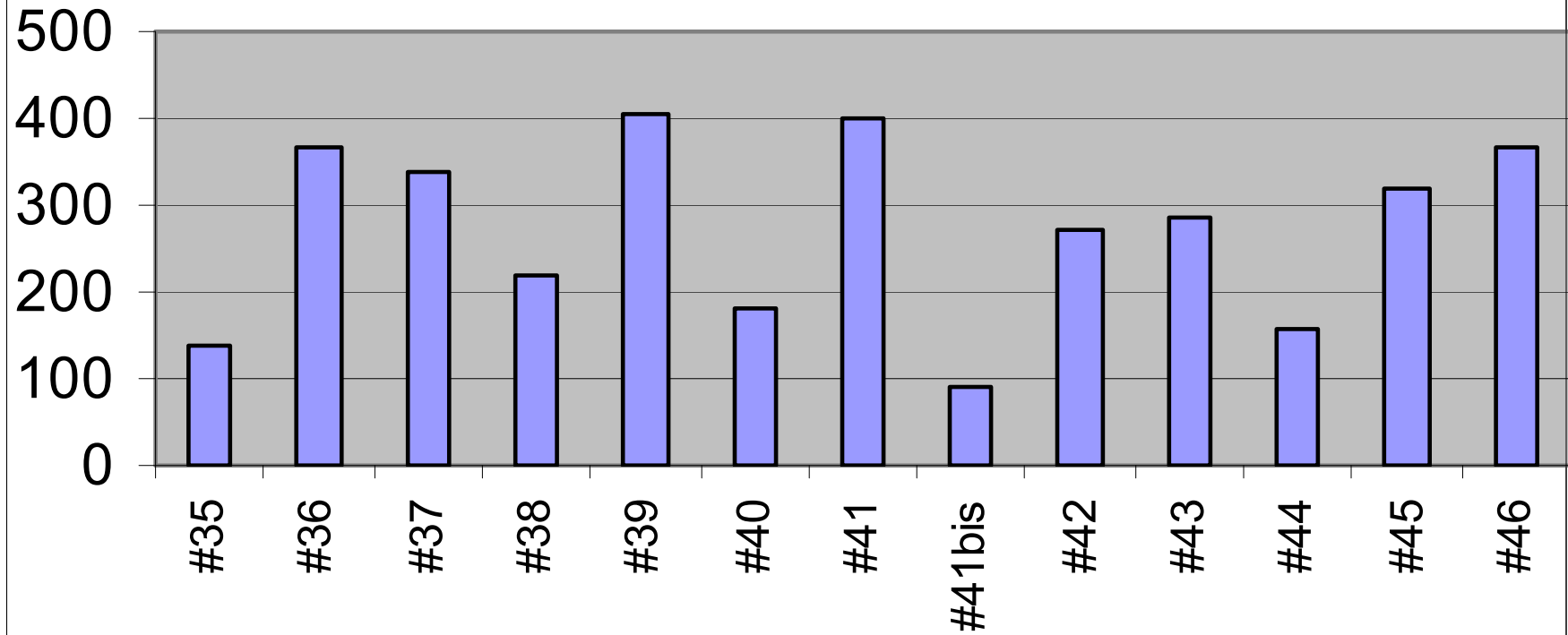
Executive summary

- **MBMS: refinement of stage 3, network synchronisation**
- **E-DCH: refinement of stage 3 (ASN.1), Frame Protocol**
- **E-DCH/HSDPA Iur/Iub Congestion Control**
- **fractional DPCH: stage 3 finalised**
- **RET: further correction work, adhoc in April**
- **beamforming: enhancements for HSDPA**
- **TEI-6 work on network initiated SCUDIF (now in line with CN3) and other topics**

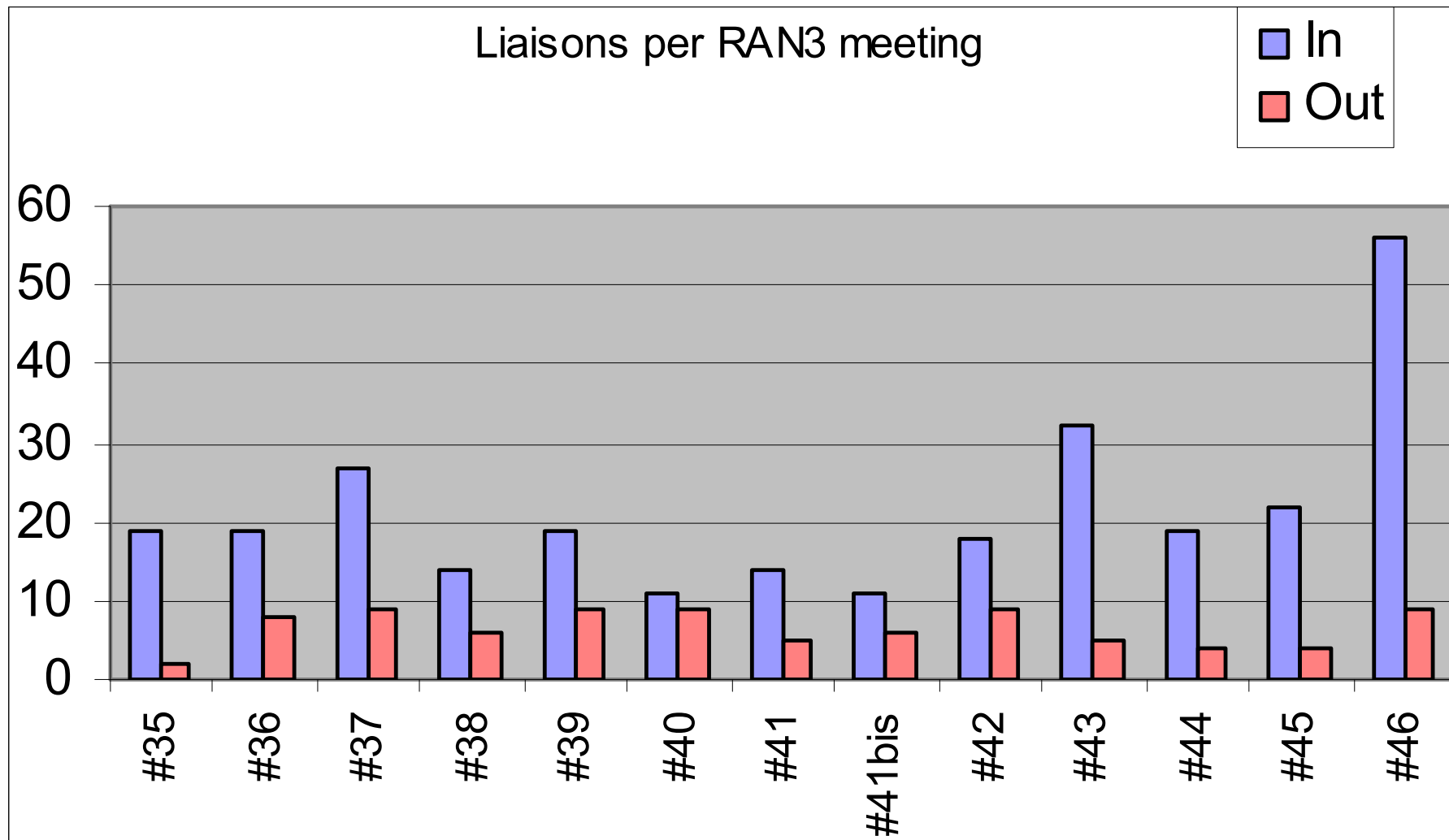
Statistics



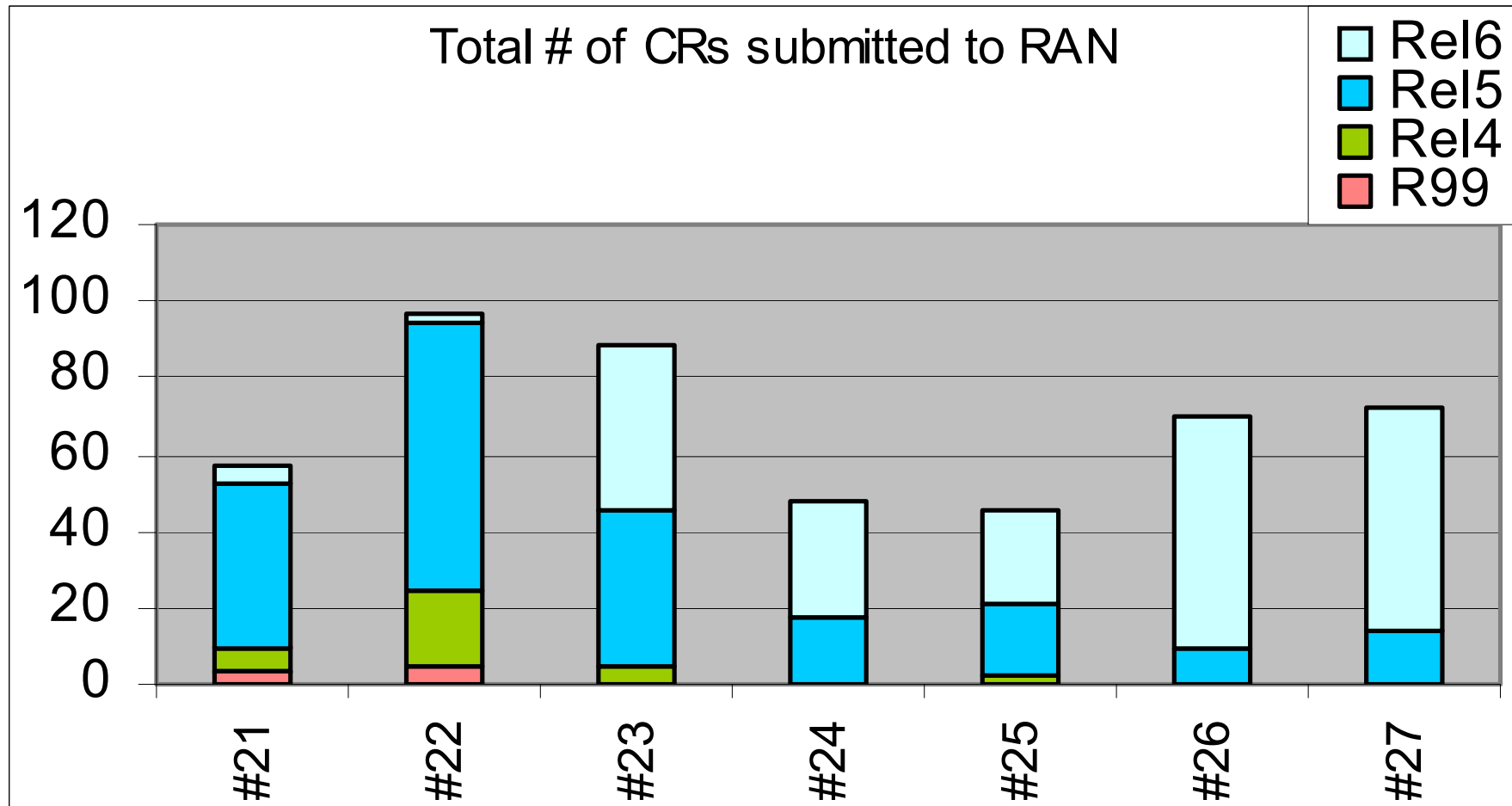
Total #Tdocs per RAN3 meeting



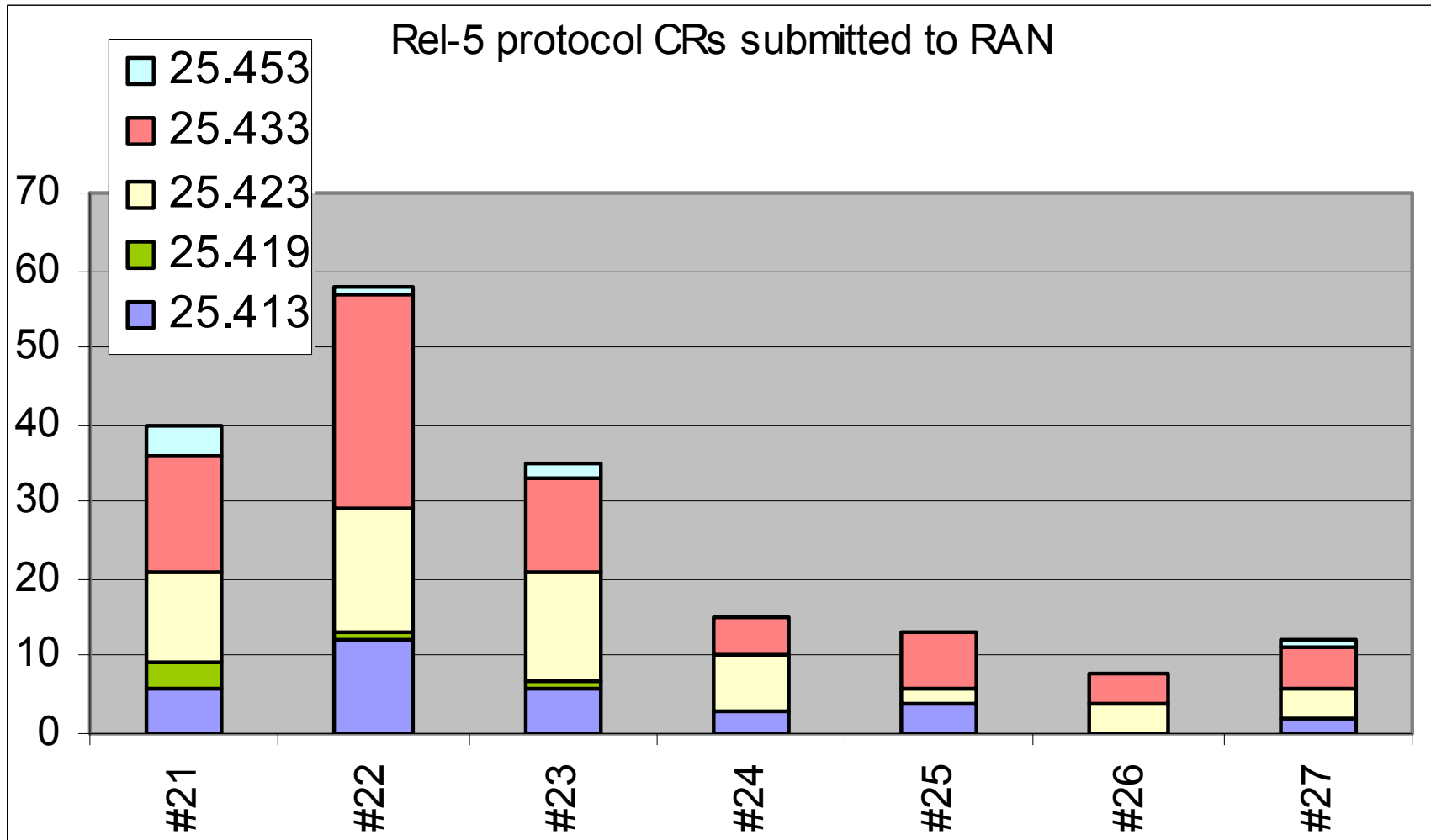
Statistics (2)



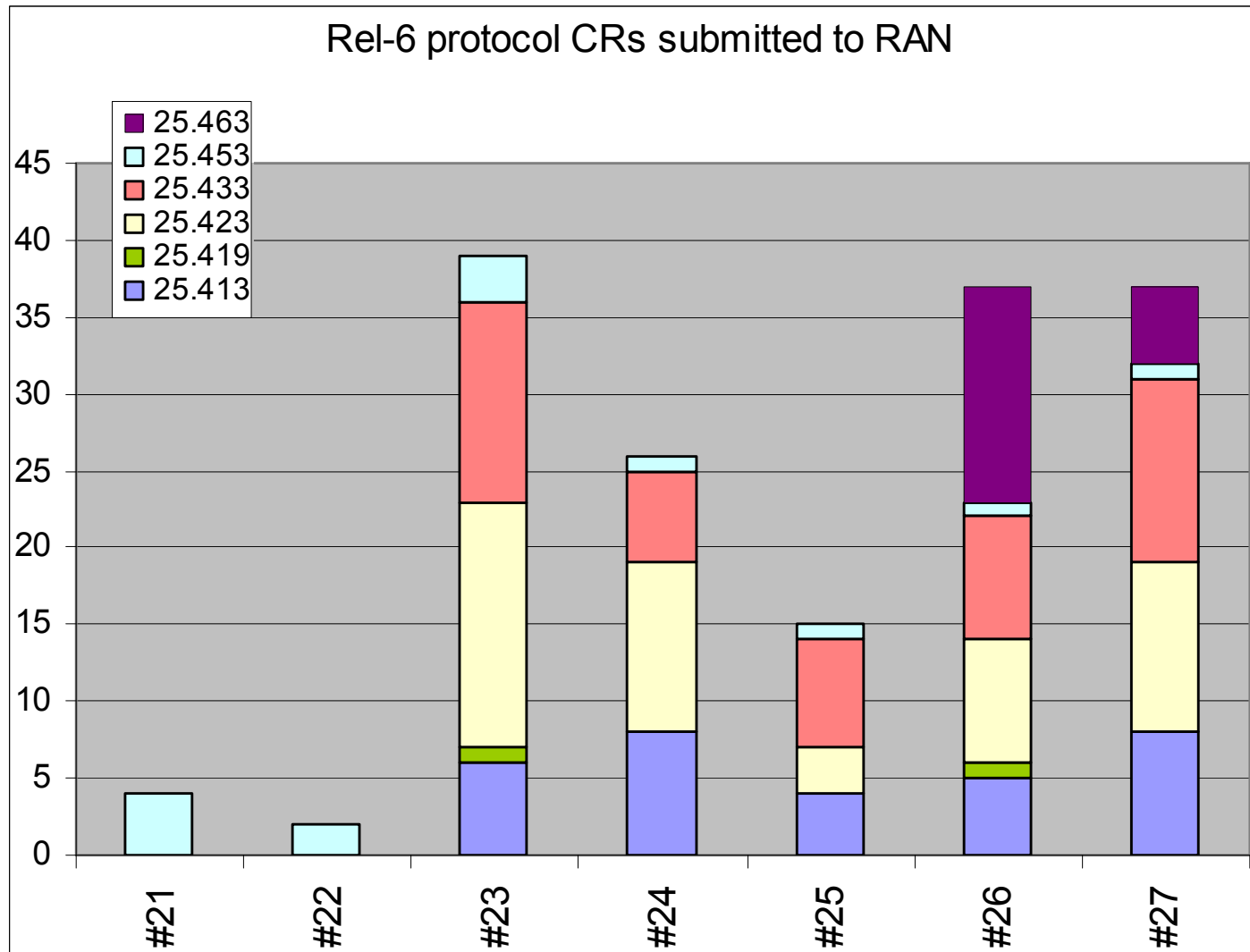
Statistics (3)



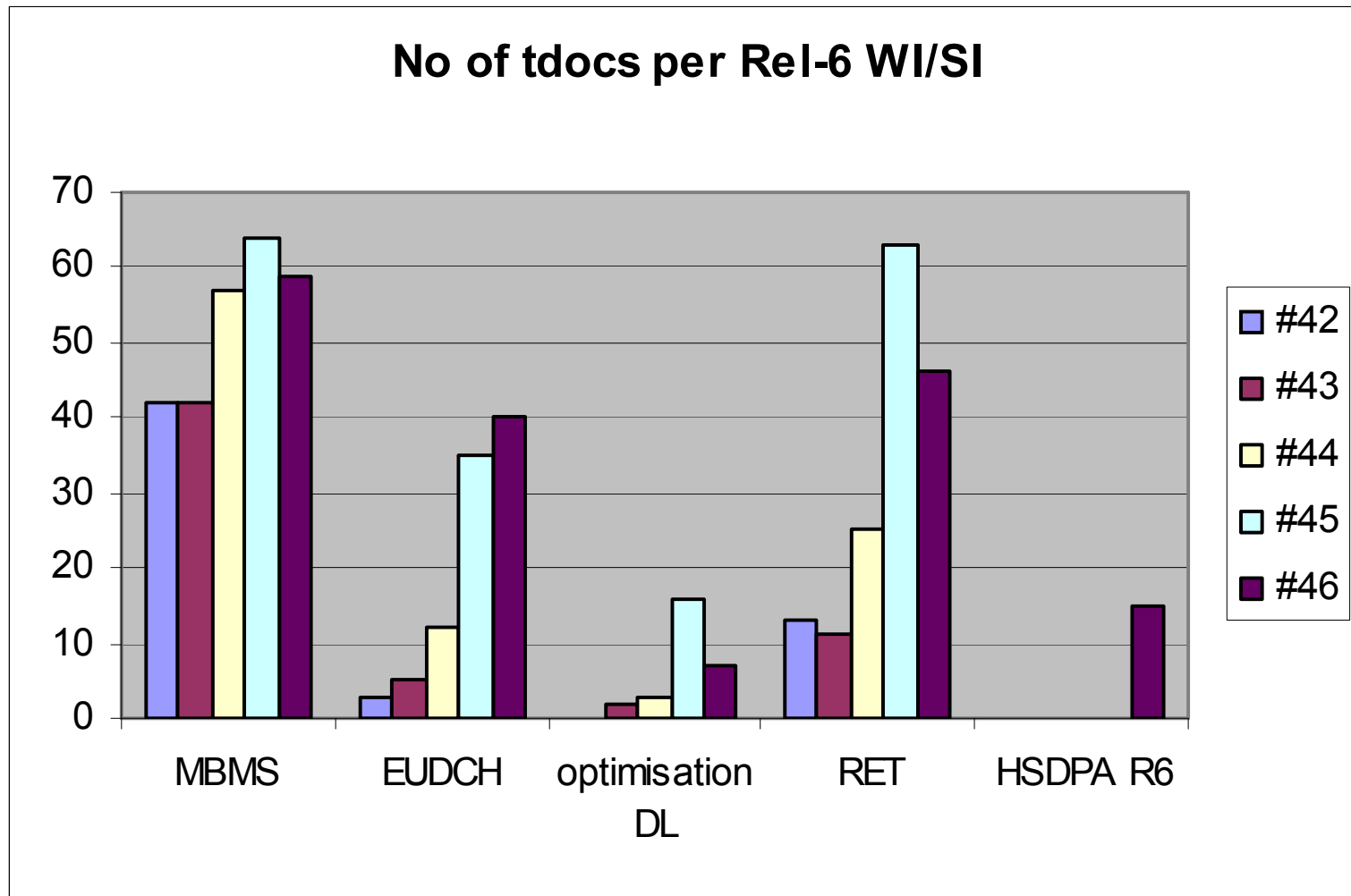
Statistics (4)



Statistics (5)



Statistics (6)



Release 5 specific activities

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Release 5 issues



- **Correction of RANAP containers**
 - related to containers for cell-load based inter-system HO (“CRRM light”)
- **Correction to version negotiation mechanism on lu UP**
- **Correction of Direct Transfer Message handling during Relocation**
- **Interaction between Synchronised RL Reconfiguration and RL Deletion**
- **Inter NodeB Intra DRNS serving HS-DSCH cell change**
 - related to the setup of a 2nd Iur bearer
 - not agreed

Release 6 specific activities

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■ (R3 WI) FDD Enhanced Uplink: UTRAN Iub/Iur Protocol Aspects

- further corrections to signalling protocols
- ASN.1 definitions for RNSAP/NBAP produced
- basic Frame Protocol handling
- open issues
 - RNL measurements (waiting for results from other WGs)
 - Iub/Iur congestion control
 - it is envisaged to introduce congestion control means common for E-DCH and HSDPA
 - CR proposals already available, however no decision
 - it is proposed to create a new TR to reflect discussions on Iub/Iur congestion control
- see (common) WI Report in RP-050016



- **(R1 WI) Optimisation of downlink channelisation code utilisation FDD**
 - CRs were already available for RAN#26
 - agreed CRs based on latest discussion status in RAN1



■ Introduction of the Multimedia Broadcast and Multicast Service (MBMS) in RAN

- selected topics discussed
 - stage 3 related details
 - MBMS RAB Release handling
 - ongoing discussion on indicating # of idle mode UEs @ Session Start
 - Session Repetition indication
 - IE encoding (LS traffic with CN/GERAN WGs)
 - channel type indication @ Session Start
 - MBMS Time Alignment: [technically endorsed] CR available



■ RET

- CRs were handled in 2 parallel sessions (and a lot of offline work)

convenor: Andreas Hauser (Vodafone)

⇒ thanx for taking over quite a workload

- adhoc organised for 5-6 April 2005 (Stockholm) activities on RET

■ Beamforming

- Introduction of HSDPA Code Allocation and HSDPA measurements per cell portion

Rel6 Study Items



- **(R1 SI) Uplink Enhancements for UTRA TDD**
 - no input



- **network initiated SCUDIF**
 - stage 3 (RANAP) agreed, aligned with CN W3
 - current overall solution covers video ⇒ voice change only
 - company CR available for TS 29.108
- **Correction of lu UP version 1 handling**
- **Introduction of „DL Transmission Branch Load“ measurement**
 - in co-ordination with other WGs
- **Initial Radio Link Timing Adjustment**
 - no impacts on other WGs
- **Timing Maintained HO**
 - on request from RAN1

beyond-Release-6 activities

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- **(R3 WI) 7.68Mcps TDD option: UTRAN Iub/Iur Protocol Aspects**
 - work structure proposed
 - new RAN3 internal TR structure agreed
- **(R1 WI) Optimisation of downlink channelisation code utilisation TDD**
 - no input
- **(R2 WI) Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications**
 - proposed changes to 25.305 were presented and shortly discussed

Meetings 2005



TSG RAN #26	07 - 10 Dec 2004	Athens, Greece	EF3
RAN WG3 #46	14 - 18 Feb 2005	Phoenix, US	NAF3
TSG RAN #27	9 - 11 March 2005	Tokyo, Japan	JF3
RAN WG3 RET Adhoc	5 - 6 April 2005	Stockholm, Sweden	Powerwave
RAN WG3 #47	9 - 13 May 2005	Athens, Greece	EF3
TSG RAN #28	1 - 3 June 2005	Quebec, Canada	NAF3
RAN WG3 #48	29 Aug - 2 Sep 2005	London, UK	EF3
TSG RAN #29	21 - 23 Sep 2005	Tallinn, Estonia	EF3
RAN WG3 #48bis	11 - 14 Oct 2005	Cannes	EF3
RAN WG3 #49	7 - 11 Nov 2005	Korea	Samsung
TSG RAN #30	30 Nov - 2 Dec 2005	Malta	EF3



Summary

- Main focus on finalisation and stabilisation of Rel-6
- Further correction work expected
- *last not least:*
 - keep experts in RAN WG3
 - in order to ensure protocol specification quality

thanks to all delegates for their dedicated contribution