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Status Report RAN WG3 to TSG-RAN #25

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RAN WG3 Chairman

Meetings since RAN#24

- **RAN WG3#43, 16 – 20 August 2004, Prague (Czech Republic)**

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Executive summary

- **RAN3 agreed CRs:**
  - no R99 CRs
  - 2 Rel-4 CRs (TDD)
  - 19 Rel-5 CRs (17 cat. F, 2 cat. A)
    (2 CRs on HSDPA)
  - 24 Rel-6 CRs (2 cat.F, 19 cat.A, 2 cat.B, 1 cat.D)
  - Complete list of CRs in RP-040280

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ex.sum (2)

Executive summary

- no R99 CR
- 2 TDD related Rel-4 CRs
- only 2 HSDPA CRs
- RET: finalised
- Network Sharing: almost finalised
- MBMS: stage 3 work continued, significant progress
- work on EUDCH WI started

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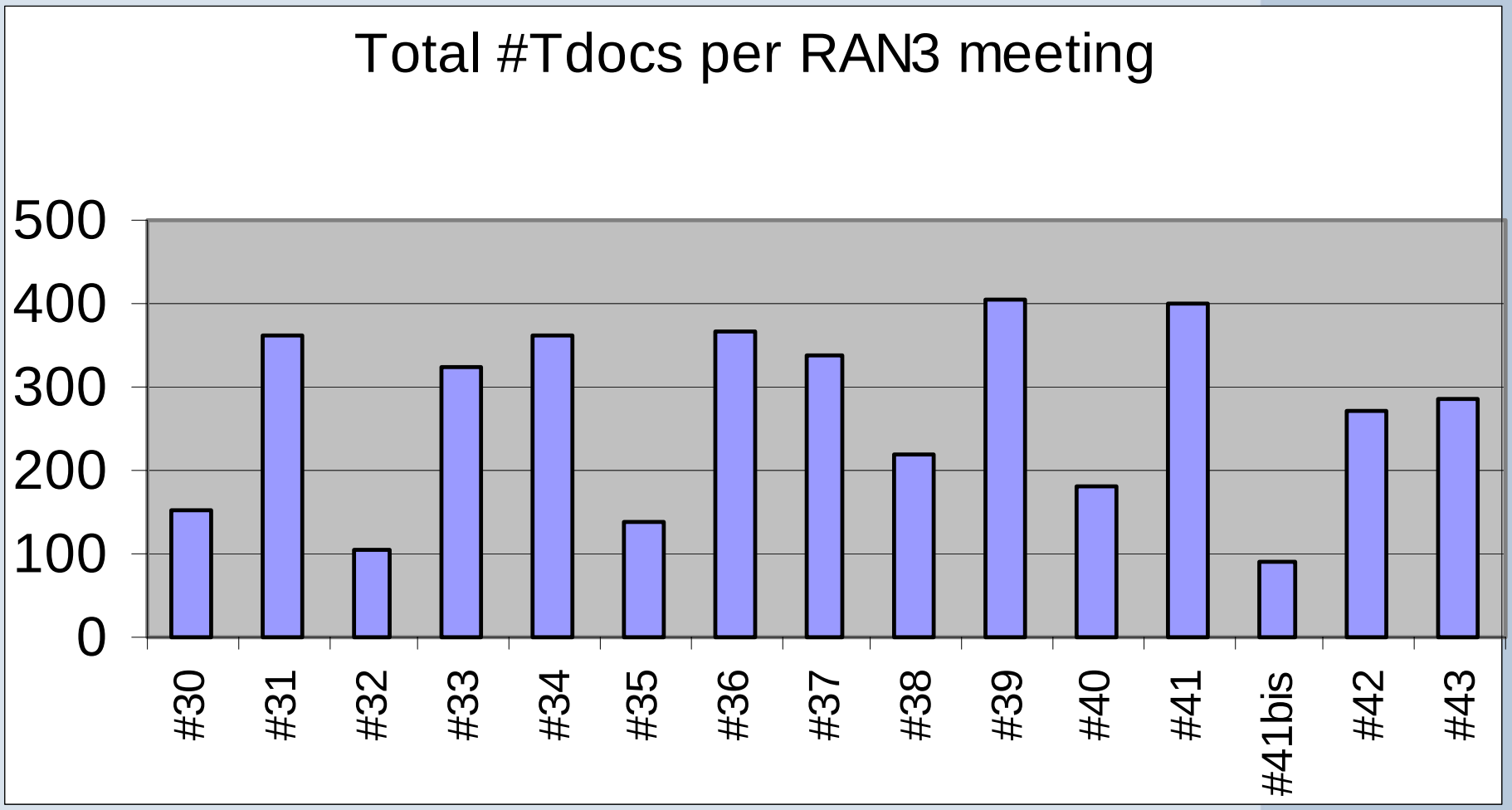
Statistics



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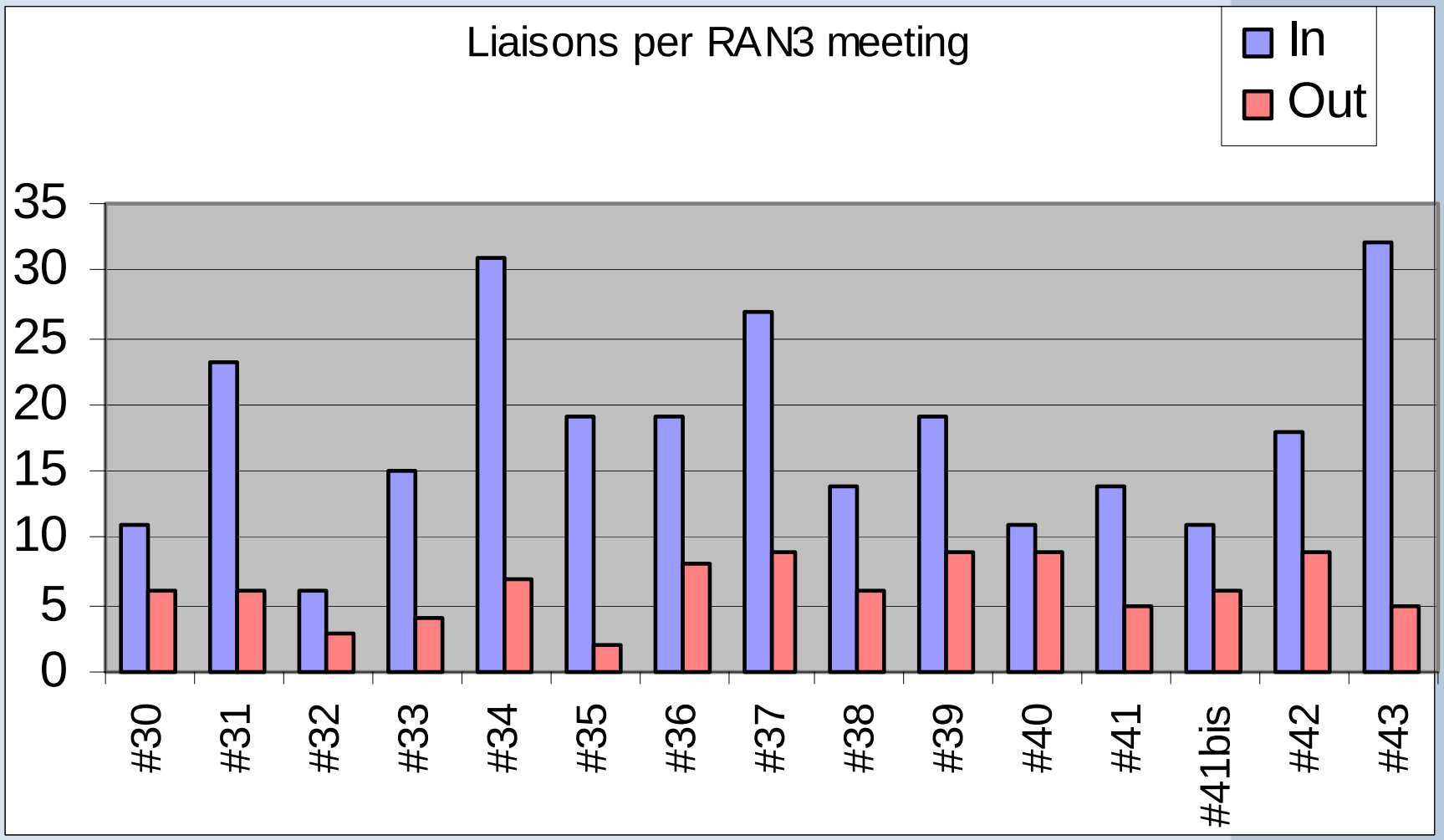
Statistics (2)



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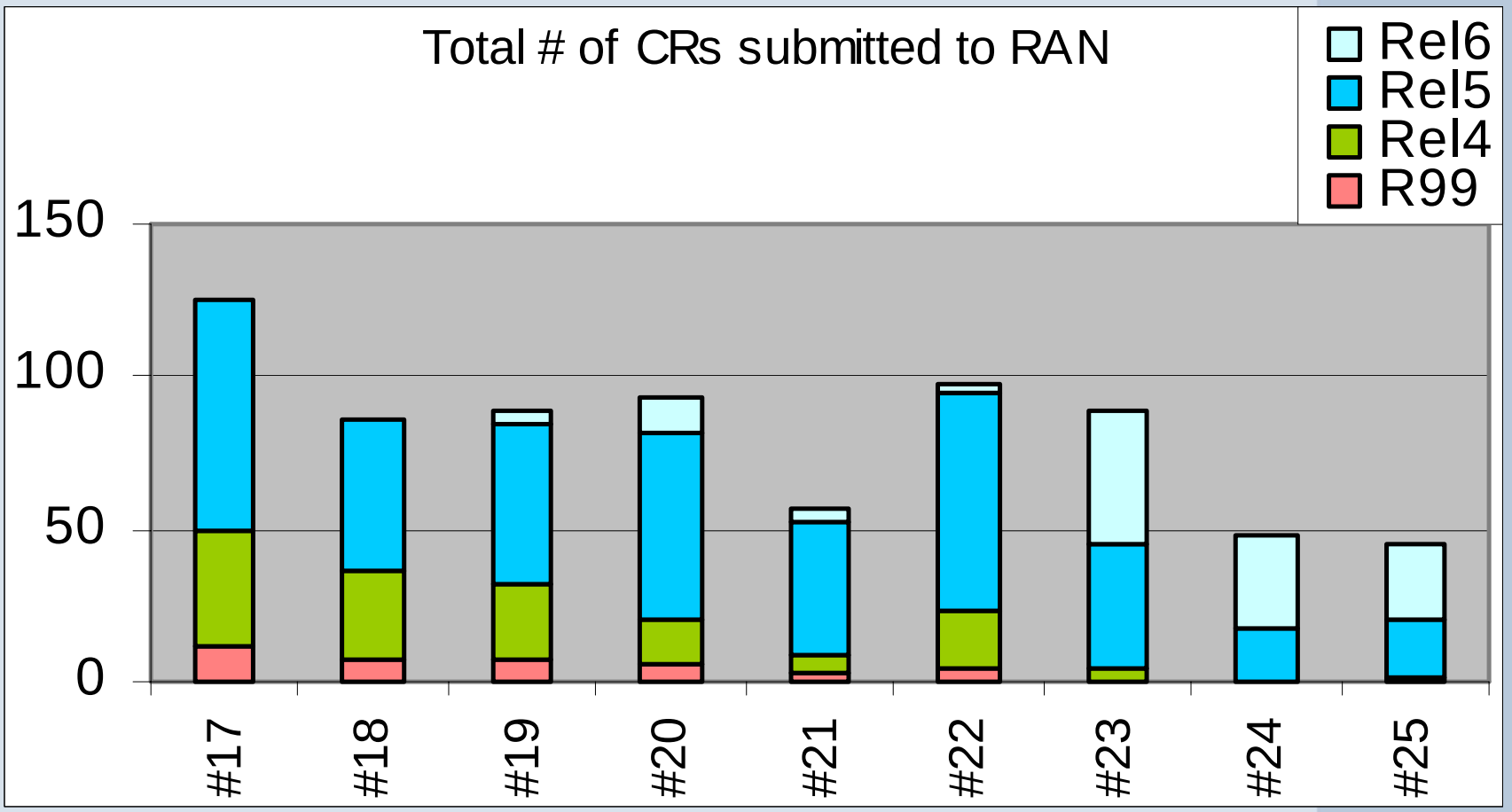
Statistics (3)



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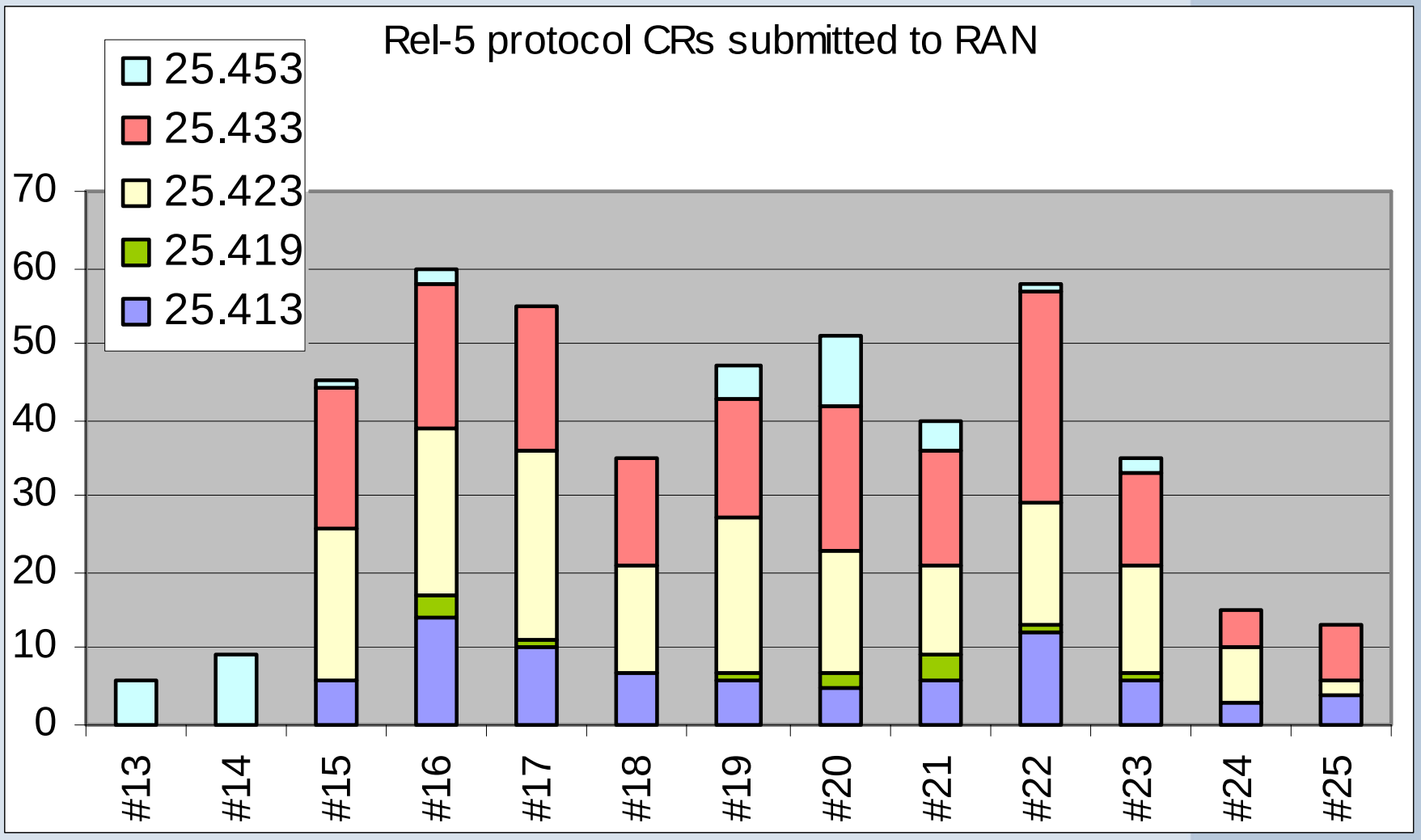
Statistics (4)



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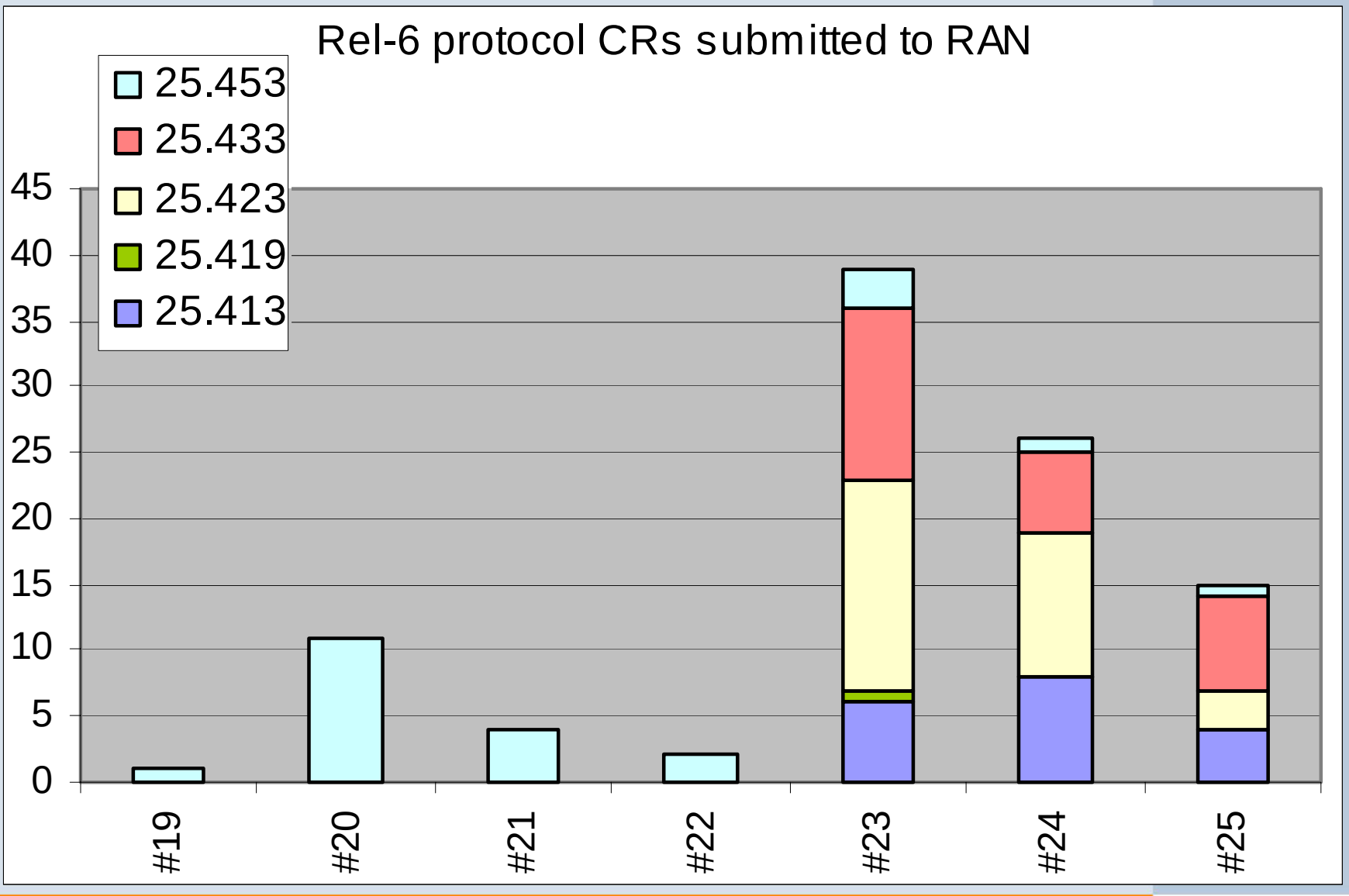
Statistics (5)



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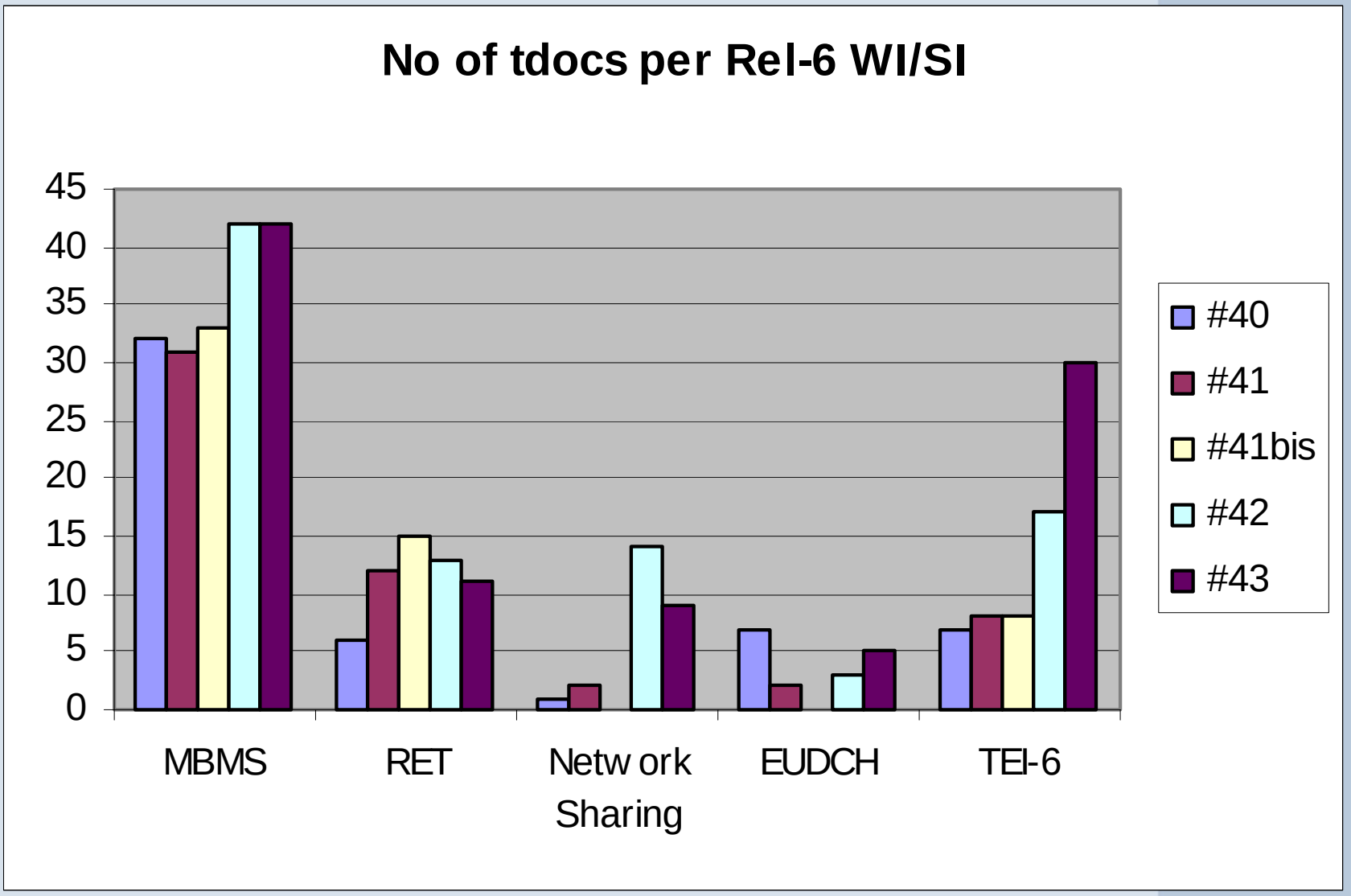
Statistics (6)



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Release 99 specific activities

Release 99 issues

- **Encoding of SIB over Iub**
  - obviously two different interpretations of how to convey SIB data over NBAP
    - Alternative 1: RRC encoded in RNC as a bitstring of variable or fixed size
    - Alternative 2: RRC encoding partially in NodeB
  - no concensus so far
  - solutions expected until next RAN TSG
- **RL Addition @ inter-frequency intra NodeB HO**
  - discussions on applicability of RL Addition
  - common understanding reached
  - status
    - Iub: no need for CRs identified so far on Iub,
    - Iur: further discussions needed

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Release 99 issues

- **Request from T1P1 to include references to ANSI standards for signalling transport protocols from Release 99 onwards**
  - see LS in in RP-040356
  - already ANSI references in physical layer specification
  - individual members tasked to prepare CRs for next RAN3
  - CN informed (Iu impact) (see RP-040357)

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Release 4 specific activities

Release 4 issues

- **TDD related CRs on NBAP**
  - ✓ general LCR TDD corrections
  - ✓ Addition of TSTD for S-CCPCH, PICH and PDSCH LCR TDD

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Release 5 specific activities

Iu Release-5

- **Agreed CRs on RANAP**
  - ✓ Rel-5 CRRM related cause code alignment with GERAN and CN4
  - ✓ Data Volume Reporting alignment with SA5
  - ✓ correction on Security Mode Command procedure
  - ✓ correction on Service HO specification
- **other RANAP topics**
  - SCUDIF related initiative from CN1 not finally concluded, RANAP protocol impact to be further discussed
- **Iu Frame Protocol**
  - ✓ correction on padding in case of odd IPTI fields

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Iur/Iub Release 5

- **RAN3#43: 2 agreed (cat.F) CRs on HSDPA**
  - ✓ correction of handling old HS resources @ intra NodeB mobility
  - ✓ correction of HSDPA IEs
- **following discussions with no final conclusion so far**
  - HS related User Buffer Size for Iur/Iub FPs
  - HSDPA capability indicator on Iur
- **other topics:**
  - ✓ correction on 25.411 for optical interfaces
  - ✓ NodeB Communication Context @ NBAP Reset
  - ✓ FPACH configuration for LCR TDD
  - ✓ correction on Traffic Class IE for SRBs in RNSAP
  - ✓ IP ALCAP - final clean up

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Release 6 specific activities

RAN3 Rel-6 WIs

- **Remote Control of Electrical Tilting Antennas**
  - intensive offline work in summer period
  - only minor open issues
  - CR to 25.401 in RP-040303
  - TS 25.46x series ready for approval (RP-040344/345/346)
  - TR 25.802 for approval in RP-040305
  - WI can be finalised
  - WI Report in RP-040266
- **FDD Enhanced Uplink: UTRAN Iub/Iur Protocol Aspects**
  - initial discussions on basic architecture impacts started (congestion, admission control, Frame Protocols, ...)
  - still waiting for stable RAN1/RAN2 concepts
  - WI Report in RP-040271
- **MIMO Iub/Iur Aspects**
  - no contributions

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Rel6, WIs under other WG

- **(R1 WI) Improvement of inter-frequency & inter system measurements**
  - not treated this time
- **(R1 WI) Optimisation of downlink channelisation code utilisation FDD**
  - documents on Fractional DPCH only briefly presented
- **(R1 WI) Optimisation of downlink channelisation code utilisation TDD**
  - no input so far
- **(R2 WI) Enhancement of the support of network sharing in the UTRAN**
  - draft CRs further refined
  - will be finalised in December

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Rel6, WIs under other WG - MBMS

- **(R2 WI) Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN**
  - draft CRs already available, level of stage 3 details will require intensive work in autumn period
  - selected topics discussed @ R3#43
    - related to UE mobility
      - SRNC Relocation
      - UE linking on Iur
      - handling of UEs in SHO
      - channel type indication on Iur
    - Iub framing for MICH/MCCH
    - network synchronisation
  - CRs should be ready for approval in December

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Rel6 Study Items

- **(R3 SI) Evolution of the UTRAN architecture**
  - on hold

- **(R1 SI) Uplink Enhancements for UTRA TDD**
  - No contributions

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Release-6 TEI

- **agreed CRs (selected)**
  - ✓ accuracy indication on Iupc
- **to be continued**
  - Synchronised Inter Node B Serving Cell Change for HSDPA
  - improvement of HSDPA Frame Protocols
  - dicussion on possible additional indication on Iub to report specific HS related problems, e.g. in MAC-hs scheduler

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on finalised Rel-6 WIs

- **NACC**
  - ✓ tidy up CR on TR 25.901
- **Trace**
  - ✓ small correction on RNSAP

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Meetings 2004/2005

RAN WG3 #43	16 - 20 August 2004	Prague, Czech Republic	European Friends of 3GPP
TSG RAN#25	07 - 10 September 2004	Palm Springs, USA	North American Friends of 3GPP
RAN WG3 #44	04 - 08 October 2004	Sophia Antipolis, France	
RAN WG3 #45	15 - 19 November 2004	Shin-Yokohama, Japan	Japanese Friends of 3GPP
TSG RAN#26	07 - 10 December 2004	Athens, Greece	European Friends of 3GPP
RAN WG3 #46	14 - 18 February 2005	Phoenix, USA	North American Friends of 3GPP
TSG RAN#27	9 - 11 March 2005	Tokyo, Japan	
RAN WG3#47	9 - 13 May 2005	TBD, Europe	
TSG RAN#28	1 - 3 June 2005	Quebec, Canada	
RAB WG3#48	29 August - 2 September 2005	TBD, Europe	
TSG RAN#29	21 - 23 September 2005	Tallinn, Estonia	
RAN WG3#49	7 - 11 November 2005	Korea	Samsung
TSG RAN#30	30 November - 2 December 2005	TBD, Europe	

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Summary

Summary

- Rel-6 work with excellent progress
- E-DCH work started
- keep experts in RAN WG3
  in order to ensure protocol specification quality

thanks for the excellent work of all RAN3 delegates

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