

Status Report RAN WG3 to TSG-RAN #26

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SIEMENS





Meetings since RAN#25

- RAN WG3#44, 4 – 8 October 2004, Sophia Antipolis (France)
- RAN WG3#45, 15 – 19 November 2004, Shin Yokohama (Japan)



Executive summary

■ RAN3 agreed CRs:

- no R99 / Rel-4 CRs
- 9 Rel-5 CRs (9 cat. F)
- 61 Rel-6 CRs (9 cat.A, 28 cat.F, 24 cat.B)
 - including CRs for MBMS (8), E-DCH (6), NetSharing (5), F-DPCH (5), RET (23)
- 1+1 technically endorsed CRs Cat.B R6 (TEI-6, SCUDIF)
- Complete list of CRs in RP-040403

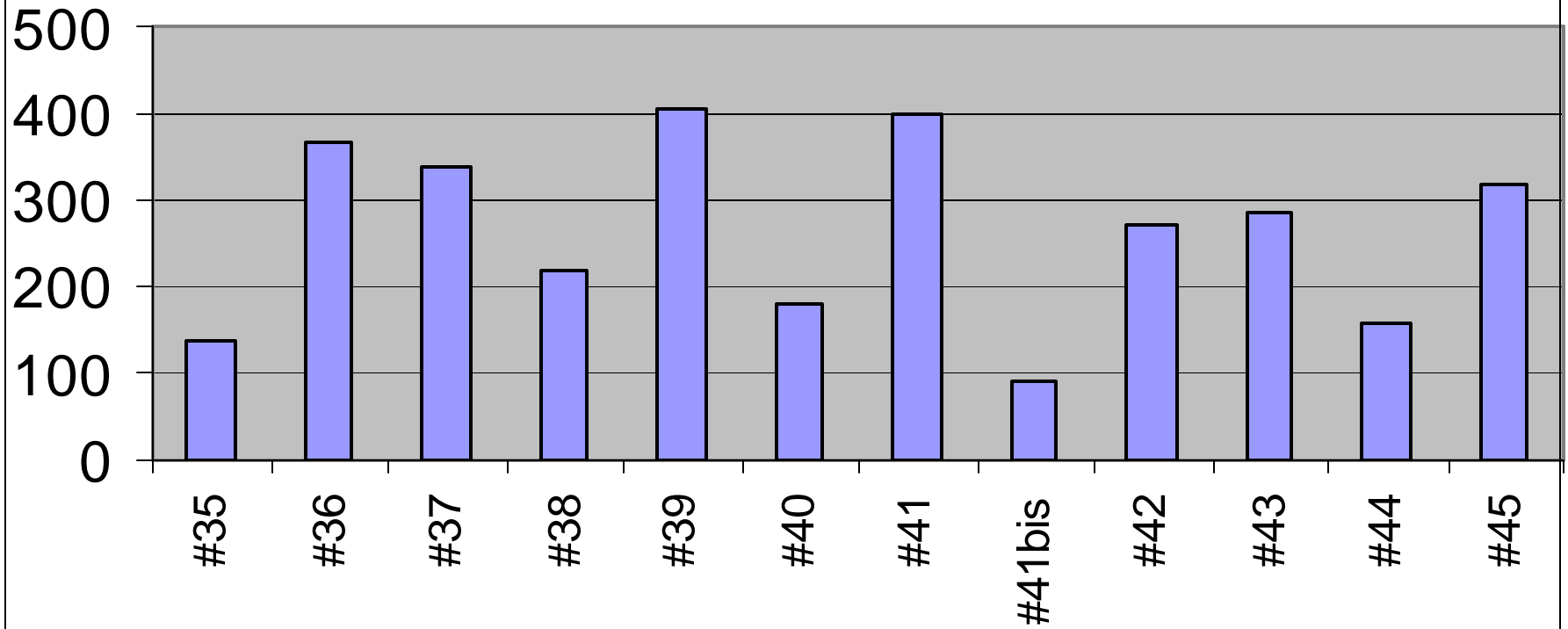


Executive summary

- correction of SIB encoding on lub agreed
- MBMS: stage 3 finalised
- E-DCH: stage 3 sufficiently completed (ASN.1 missing)
- Network Sharing: stage 3 finalised
- fractional DPCH: stage 3 finalised
- RET: correction work agreed, only few topics left
- TEI-6 work on network initiated SCUDIF (technically endorsed CRs available)



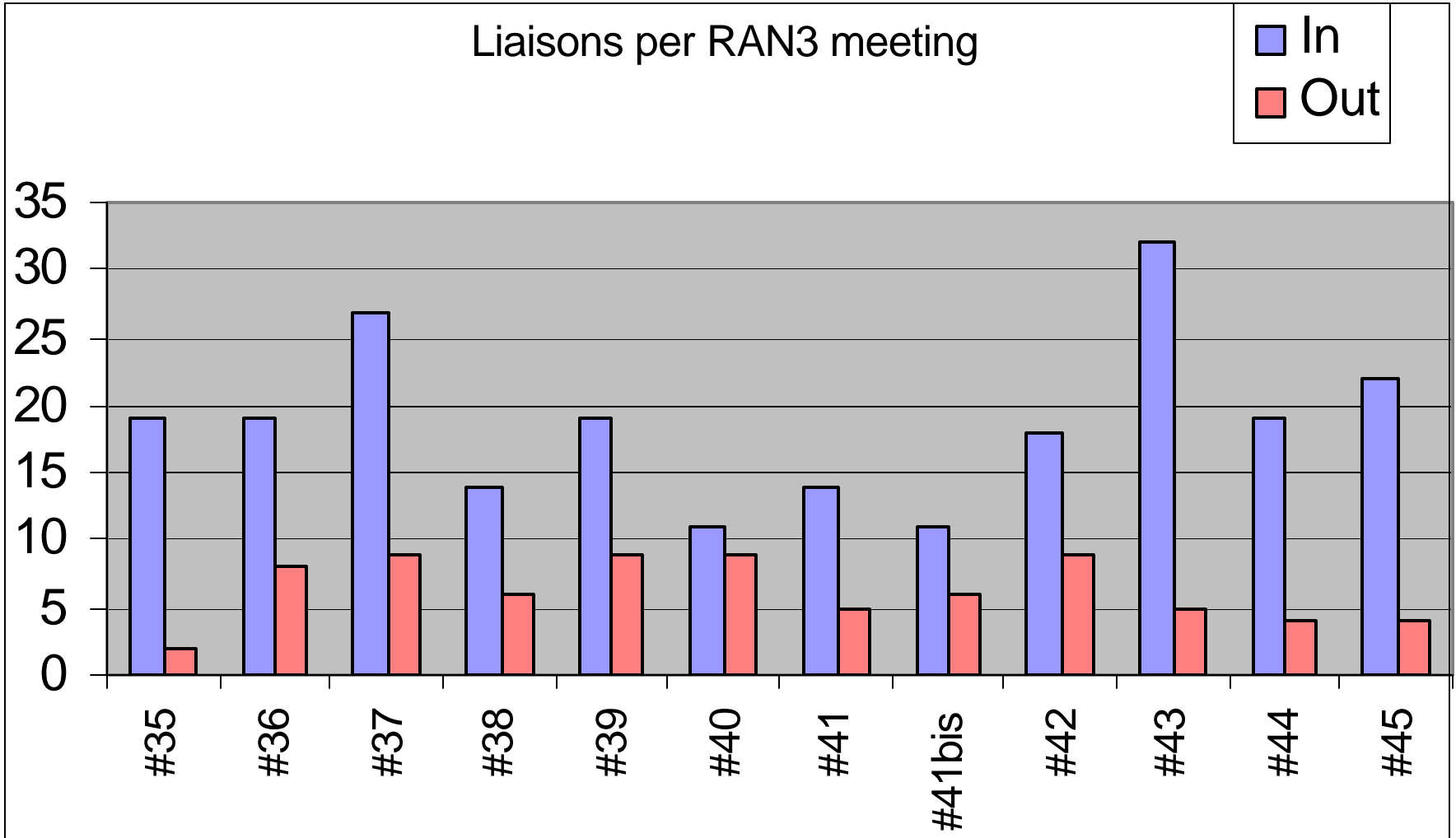
Total #Tdocs per RAN3 meeting



Statistics (2)



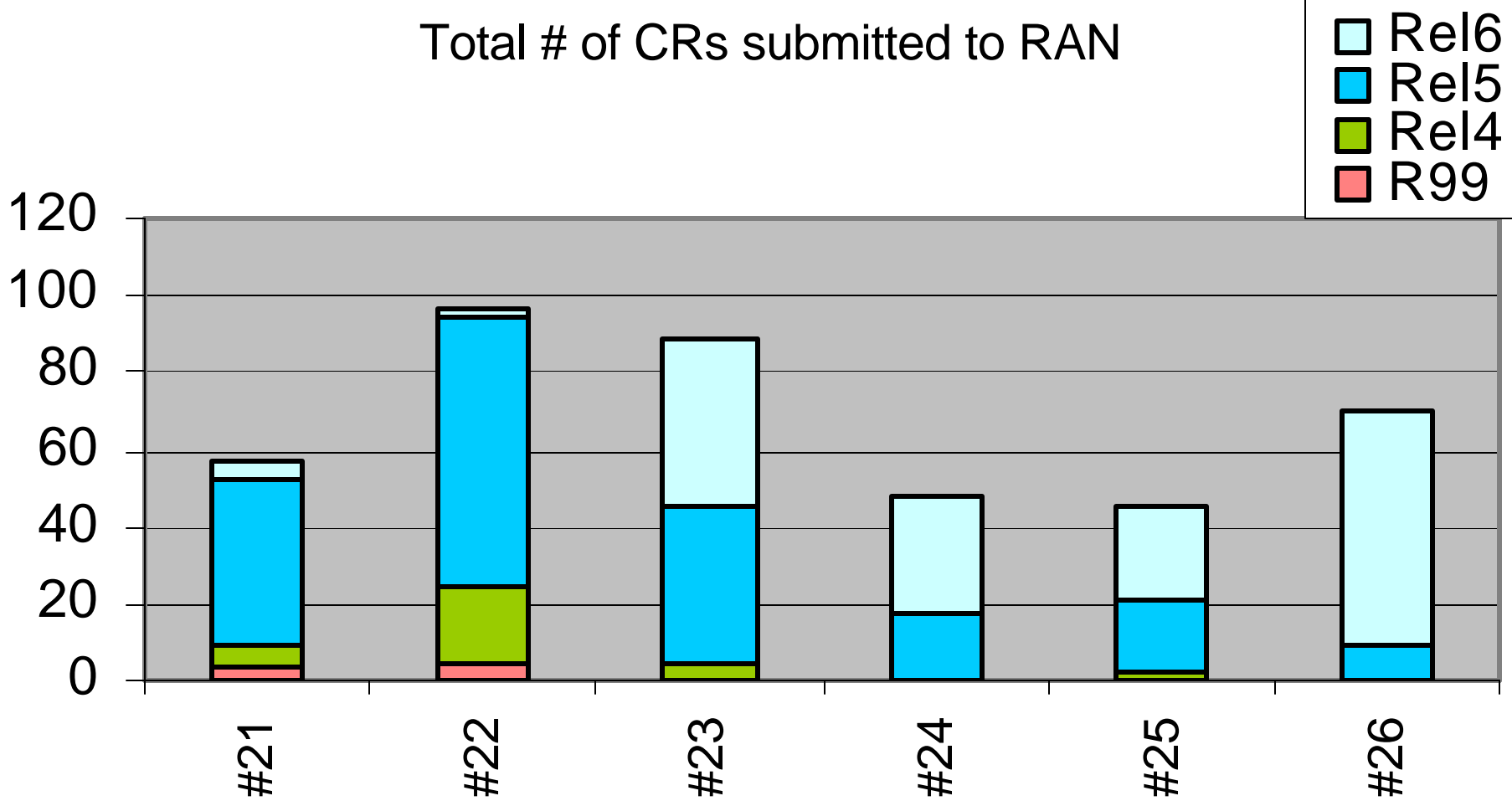
Liaisons per RAN3 meeting



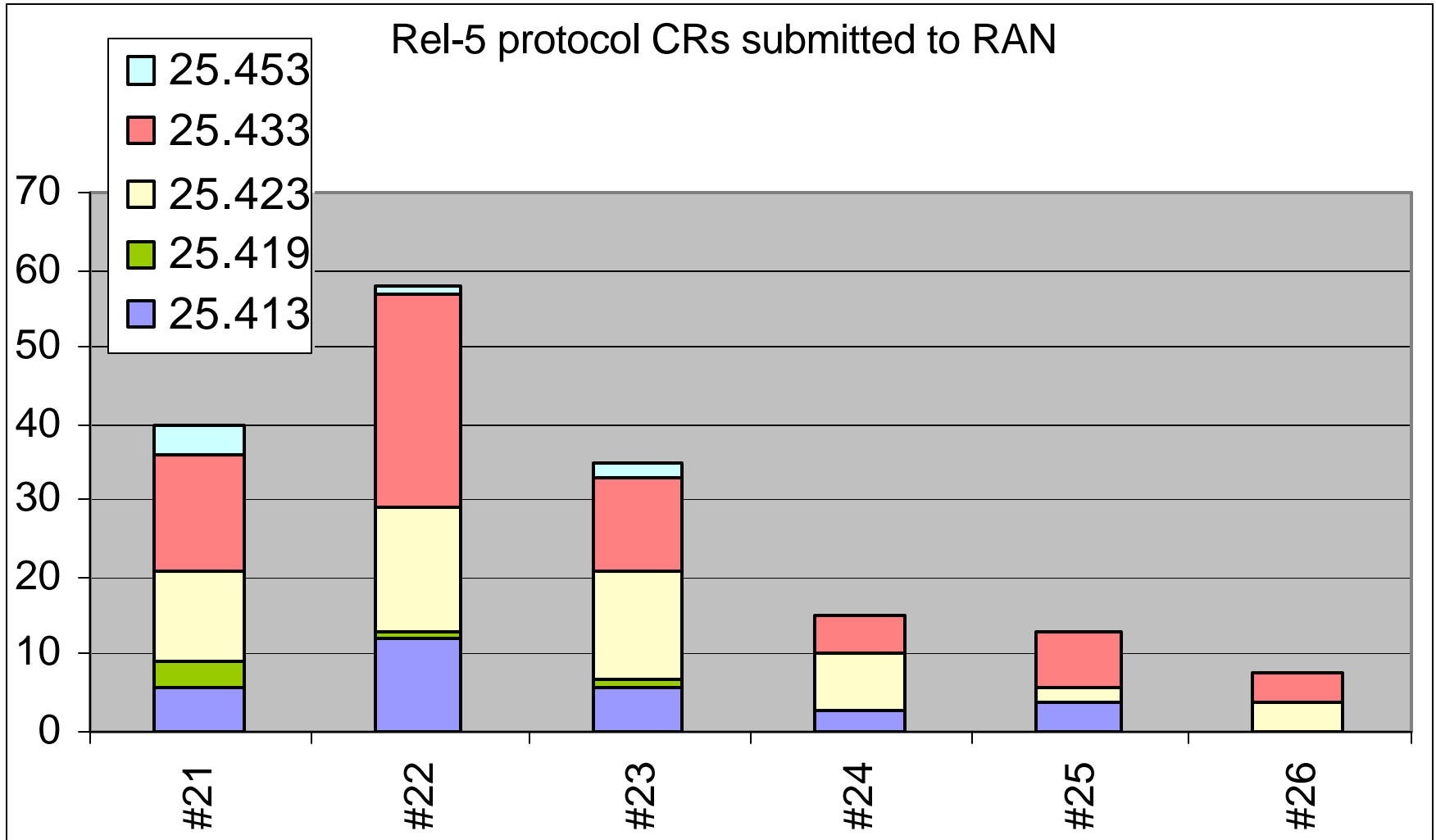
Statistics (3)



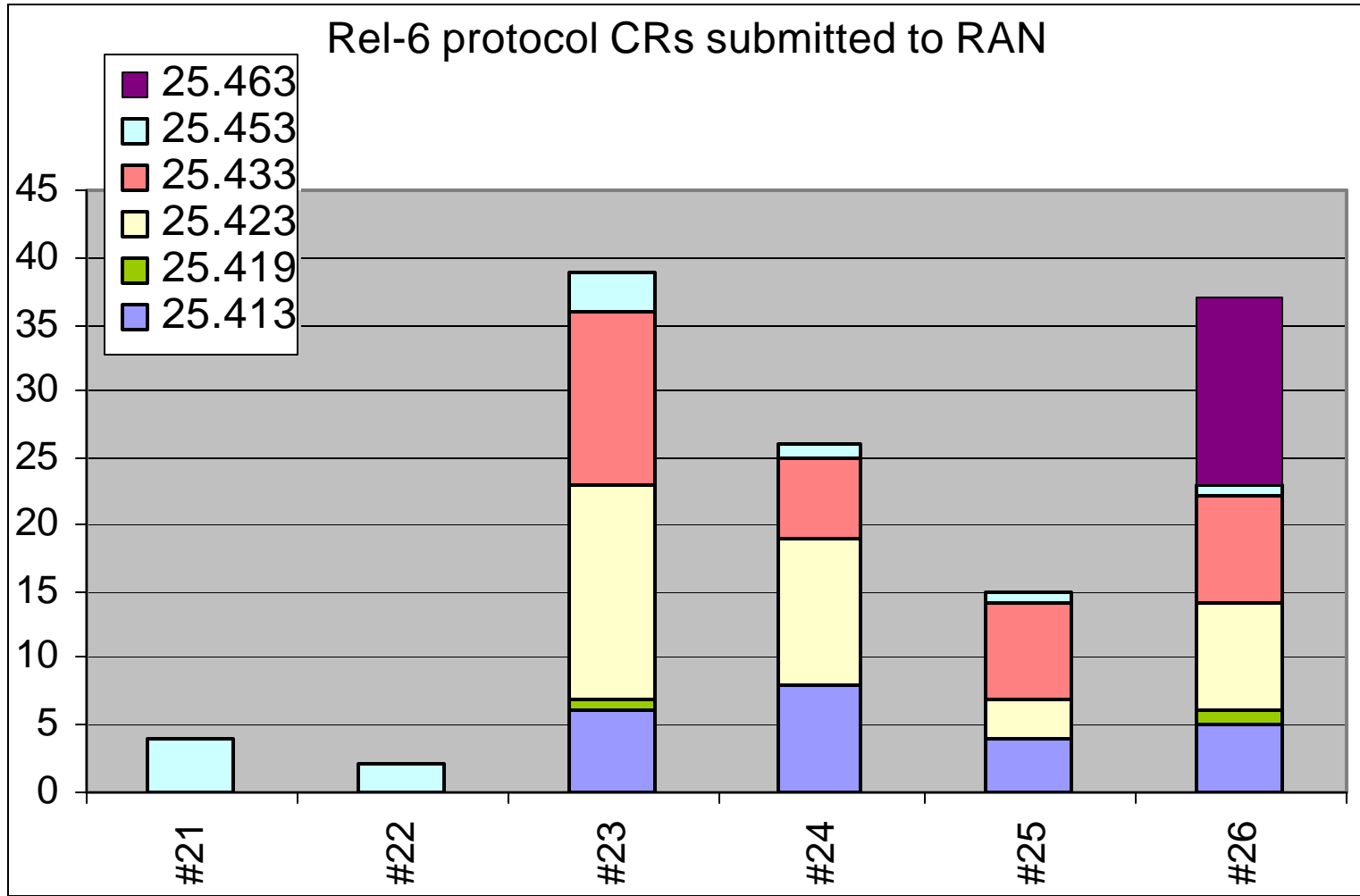
Total # of CRs submitted to RAN



Statistics (4)



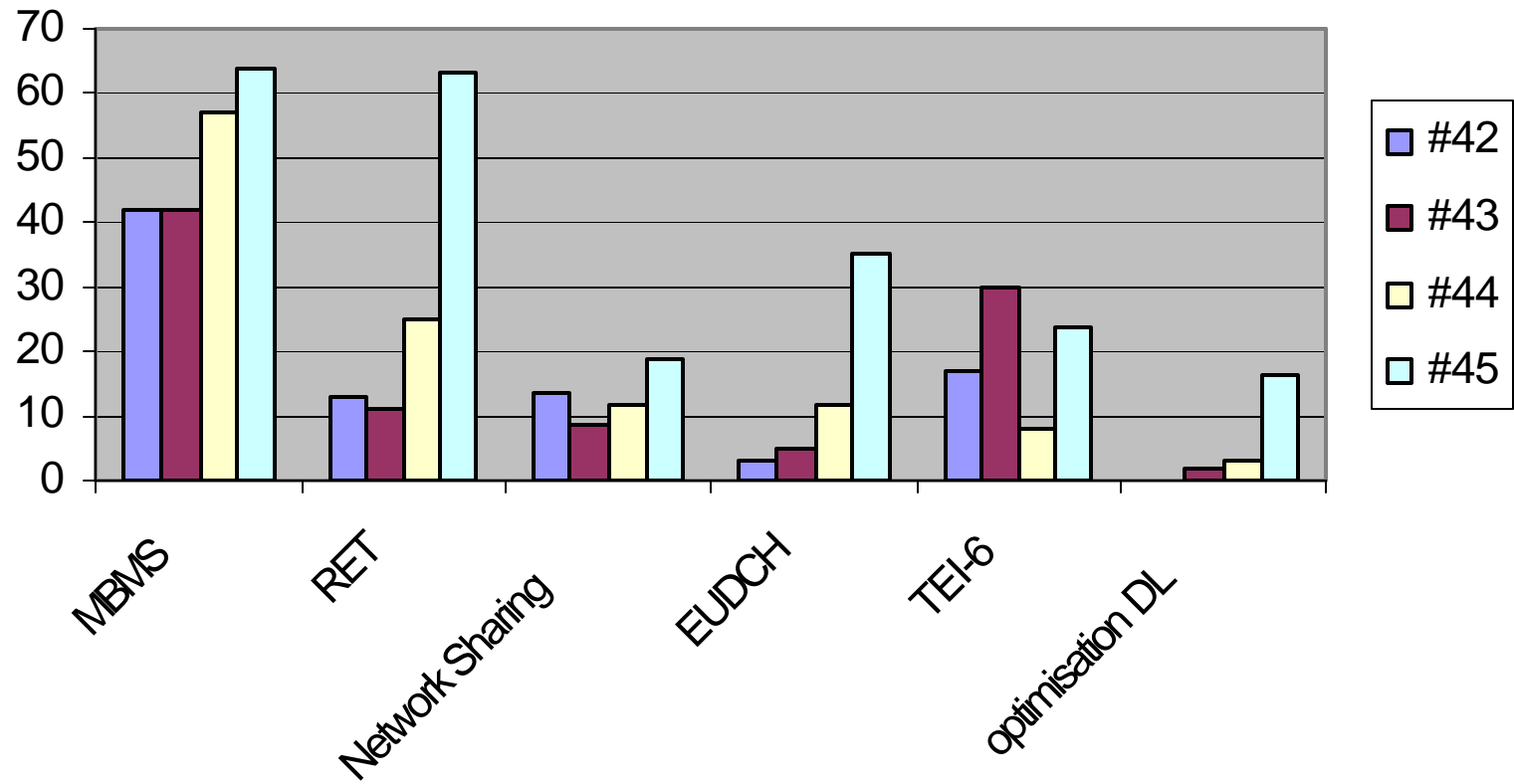
Statistics (5)



Statistics (6)



No of tdocs per Rel-6 WI/SI



Release 5 specific activities



■ **Encoding of SIB over lub**

- both interpretations allowed in NBAP
configurable via O&M
normative Annex section describing both alternatives

■ **small corrections for RNSAP and NBAP**

■ **Handling of NAS messages during multiple relocations**

- inherited from RAN2 discussions
- RANAP related discussion ongoing

■ **NAS Service Change Indicator for Rel-5 SCUDIF support**

- on request from CN1
- not agreed in RAN2, related activities stopped

Release 6 specific activities



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

- while the vague silhouette of RAN1 & 2 concepts emerged principles of control and frame protocol aspects were discussed @RAN3#44
- CR rapporteurships for affected TSs/TR distributed
- CRs containing basic E-DCH functionality agreed
w/o ASN.1 definitions
- open issues
 - RNL measurements
 - Iub/Iur congestion control
 - detailed Frame Protocol handling
- see (common) WI Report in RP-040429



- **(R2 WI) Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN**
 - intensive drafting sessions on Iu and Iur CRs @ #44 & #45 + offline/e-mail activities in between
 - selected topics discussed
 - stage 3 related details
 - transfer of context related data via Iur/Iu
 - handling of UEs in SHO
 - channel type indication on Iur
 - Iub handling of MICH/MCCH ⇒ config via NBAP
 - network synchronisation (LS traffic with RAN1)
 - TDD: # of S-CCPCH PhyCh for MBMS
 - CRs ready for approval (with ASN.1)
 - see (common) WI report in RP-040425



■ (R2 WI) Enhancement of the support of network sharing in the UTRAN

- one final issue on providing of to-be-indicated PLMN Id closed „offline“ discussed among RAN3 and SA2 delegates during R3#45 / S2#43 meeting week
- *stable* CRs available covering complete functionality
- see (common) WI report in RP-040428



- **(R1 WI) Optimisation of downlink channelisation code utilisation FDD**
 - Iur/Iub principles introduced @ #44
 - Complete set of CRs provided @ #45
 - agreed CRs based on latest discussion status in RAN1 / 2
- **(R1 WI) Optimisation of downlink channelisation code utilisation TDD**
 - no input so far



■ (R1 WI) HS-DPCCH ACK/NACK Enhancement

- no time to treat related CRs @#45
- RAN3 related CRs posted on reflector
- company signed CRs available for RAN#26 in RP-040518/519



■ RET

- was handled mainly in parallel sessions
convenor: Andreas Hauser (Vodafone)
very smart performance
- activities on RET can be regarded as „normal“ specification clean-up, making TSs consistent, removing FFSs, etc.
- parallel session with RAN4
split of responsibility for TS 25.461 agreed



■ (R3 SI) Evolution of the UTRAN architecture

- on hold

- my proposal:

should be taken up with UTRAN Evolution Study and closed.

■ (R1 SI) Uplink Enhancements for UTRA TDD

- text proposal for RAN3 impacts agreed @ #44



■ network initiated SCUDIF

- 2 technically endorsed CRs for 25.413 available in RP-040442 and RP-040443 representing 2 alternatives
- RP-040443 supported by all but one company
- CN3 asked to put R3 activities on hold to check stage 2
- strong operator interest in that feature for Rel-6

■ other TEI-6 proposals - not treated due to lack of time

- HS-DSCH frame protocol and other HS-DSCH related enhancements



■ Removal of TGPL2

- related RAN4 LS not handled due to lack of time @#45
- RAN3 related CRs posted on reflector
- related CRs (company signed) available in RP-040524

■ DL transmission branch load

- RAN1 CRs agreed
- RAN3 related CRs posted on reflector
- related CRs (company signed) available in RP-040460

beyond-Release-6 activities



- **(R3 WI) MIMO Iub/Iur Aspects**
 - no contributions
- **(R3 WI) 7.68Mcps TDD option: UTRAN Iub/Iur Protocol Aspects**
 - no contributions
- **(R2 WI) Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications**
 - a first draft of proposed changes to 25.305 was presented and shortly discussed @ RAN3#44

any other activities

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■ RAN3 Terms of Reference

- as requested by Francois during RAN3#45 the RAN3 ToR were reviewed (via e-mail)
- following additions were agreed
 - Iu-ant (RET)
 - applicability of parts of protocols to GERAN system
- result of review can be found in RP-040503

Meetings 2004/2005



RAN WG3 #44	04 - 08 Oct 2004	Sophia Antipolis, France	
RAN WG3 #45	15 - 19 Nov 2004	Shin-Yokohama, Japan	Japanese Friends of 3GPP
TSG RAN#26	07 - 10 Dec 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	
RAN WG3#48	29 Aug - 2 Sep 2005	London, UK	European Friends of 3GPP
TSG RAN#29	21 - 23 Sep 2005	Tallinn, Estonia	
RAN WG3#49	7 - 11 Nov 2005	Korea	Samsung
TSG RAN#30	30 Nov - 2 Dec 2005	TBD, Europe	



Summary

- Rel-6 work completed
- Rel-6 corrections expected for next 2 quarters
- *again and again and again:*
keep experts in RAN WG3
in order to ensure protocol specification quality

thanks to all the WI, TR, CR, etc. rapporteurs for their excellent work