



Status Report RAN WG3 to TSG-RAN #23

Alexander Vesely
RAN WG3 Chairman

Meetings since RAN#22

- **RAN WG3#40, 12 – 16 January 2004, Sophia Antipolis, France**
 - was dedicated for Rel-6 (pre Rel-6 items only in urgent cases)
- **RAN WG3#41, 16 – 20 February 2004, Malaga, Spain**

Executive summary

■ RAN3 agreed CRs:

- 0 R99 CRs
- 6 Rel-4 CRs (cat F)
- 41 Rel-5 CRs (5 cat.A, 36 cat. F)
(12 CRs on HSDPA)
- 45 Rel-6 CRs (41 cat.A, 4 cat.F)

■ further:

- 14 Rel-5 CRs and 14 Rel-6 CRs technically endorsed (see tasks from RAN#22)
- Complete list of CRs in RP-040031
- amazing enthusiasm on recently created Rel-6 specifications



Executive summary

- Not a single R99 CR, some Rel-4 corrections
- Rel-5 review was in fact continued at #40 & #41 (RANAP, HSDPA, PCAP, ...)
- having in mind the high number of issues to treat
⇒ the progress on RAN3 Rel-6 topics is overall satisfying.

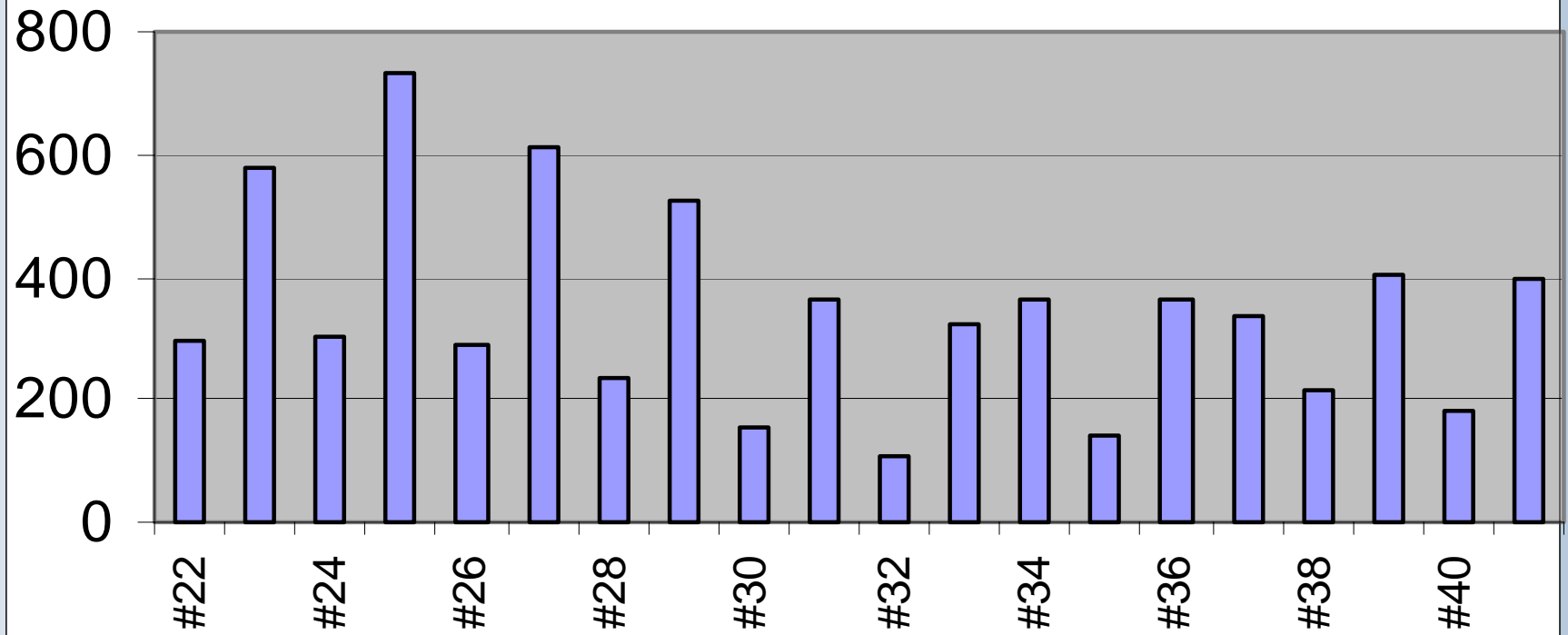


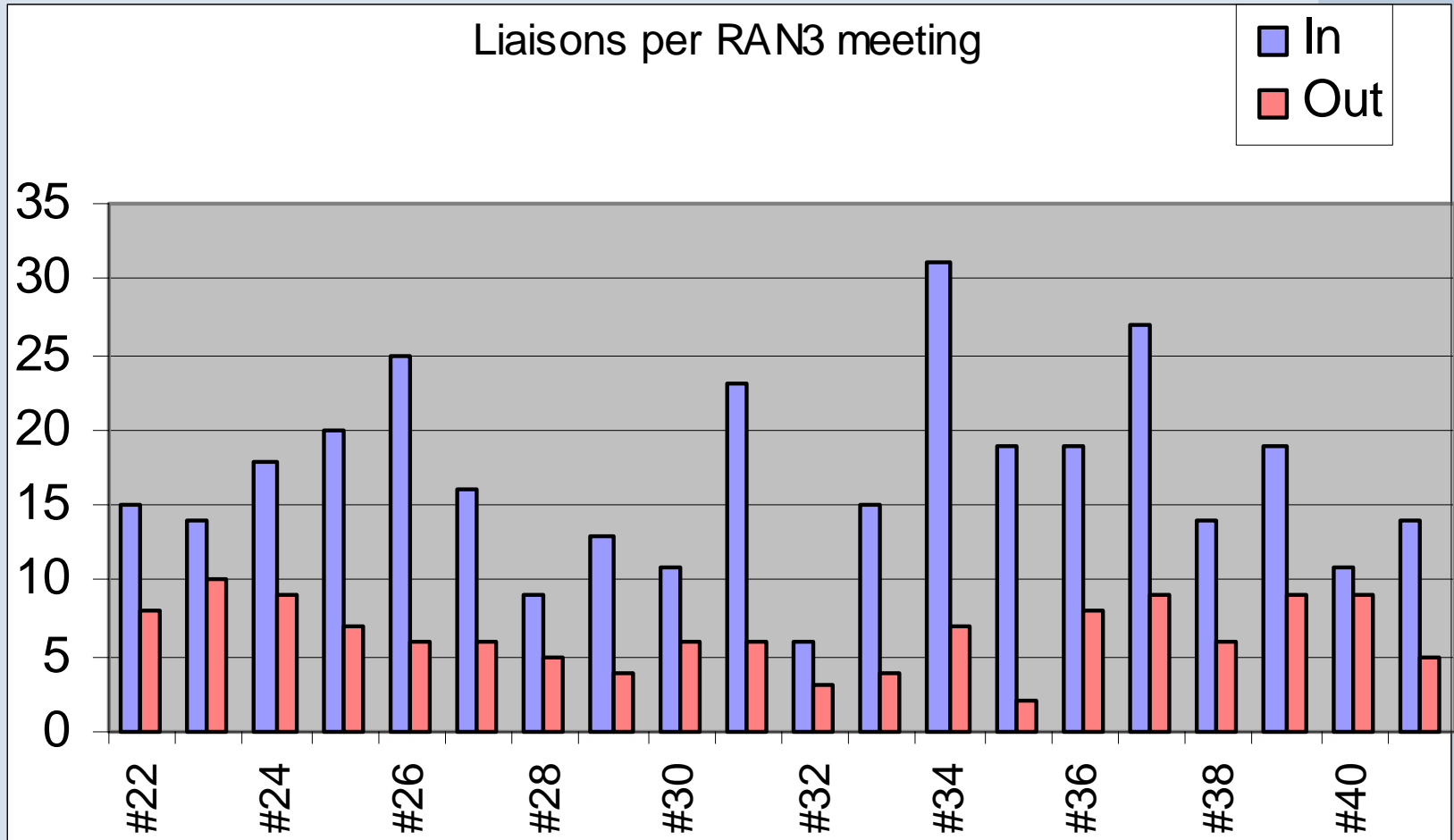
Actions on WG3 from TSG RAN #22

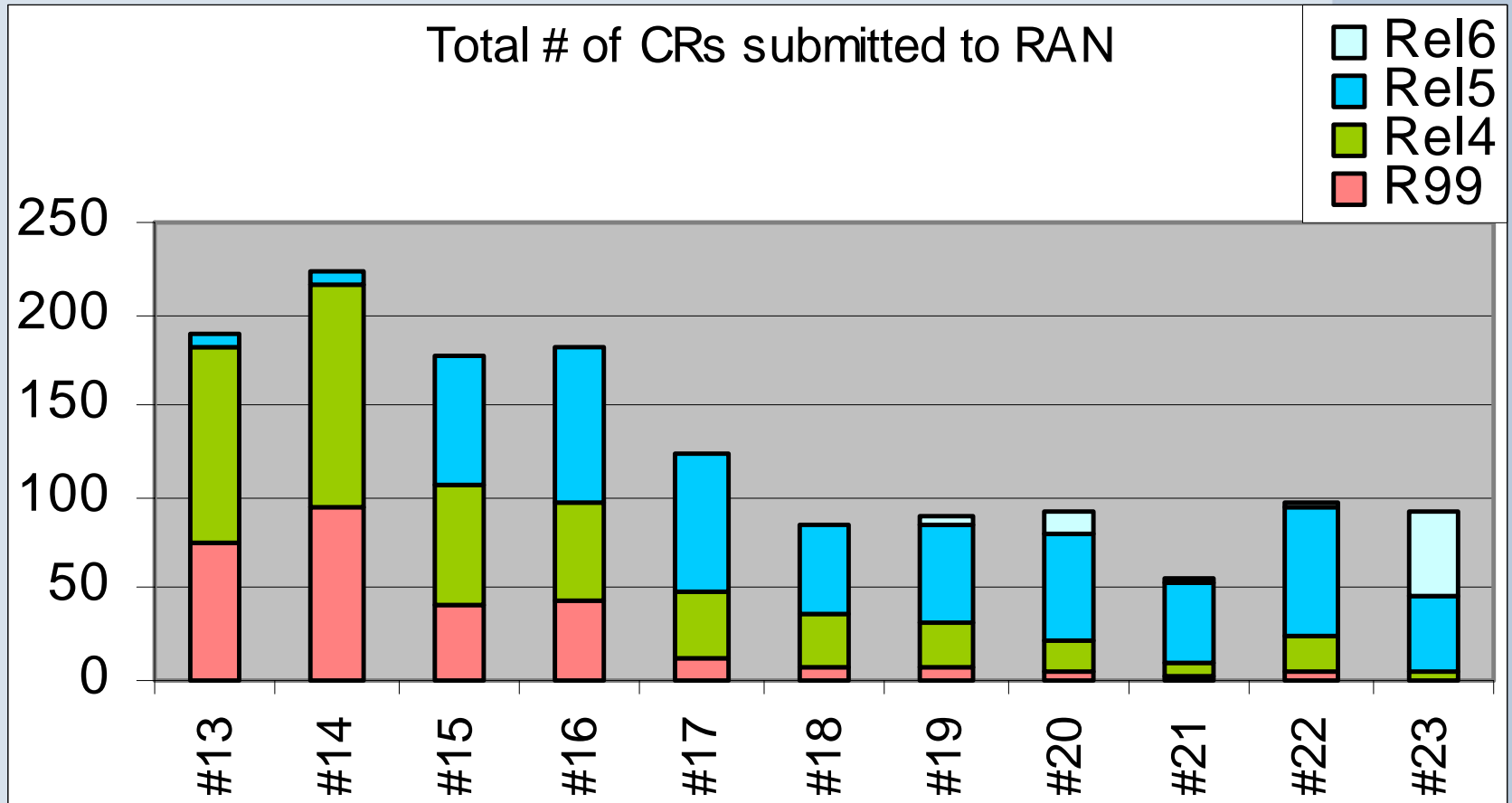
- **RP-030658, LS on Multiple MBMS Issues.**
 - Answer LS in R3-040175.
- **RNSAP DCH Information Issue.**
 - No CRs to NBAP were agreeable
 - Agreement, that currently in NBAP only one DCH-Id, in RNSAP one or several DCH-Ids may be included in case of co-ordinate DCHs.
 - Clarifying CRs to RNSAP in RP-040057 just technically endorsed although no implementation problems were announced.
- **Interworking solution 3 (RP-030667)**
 - see report of Rel-5
- **Correction of Traffic Class IE (RP-030663)**
 - no agreements, protocol works also without this changes

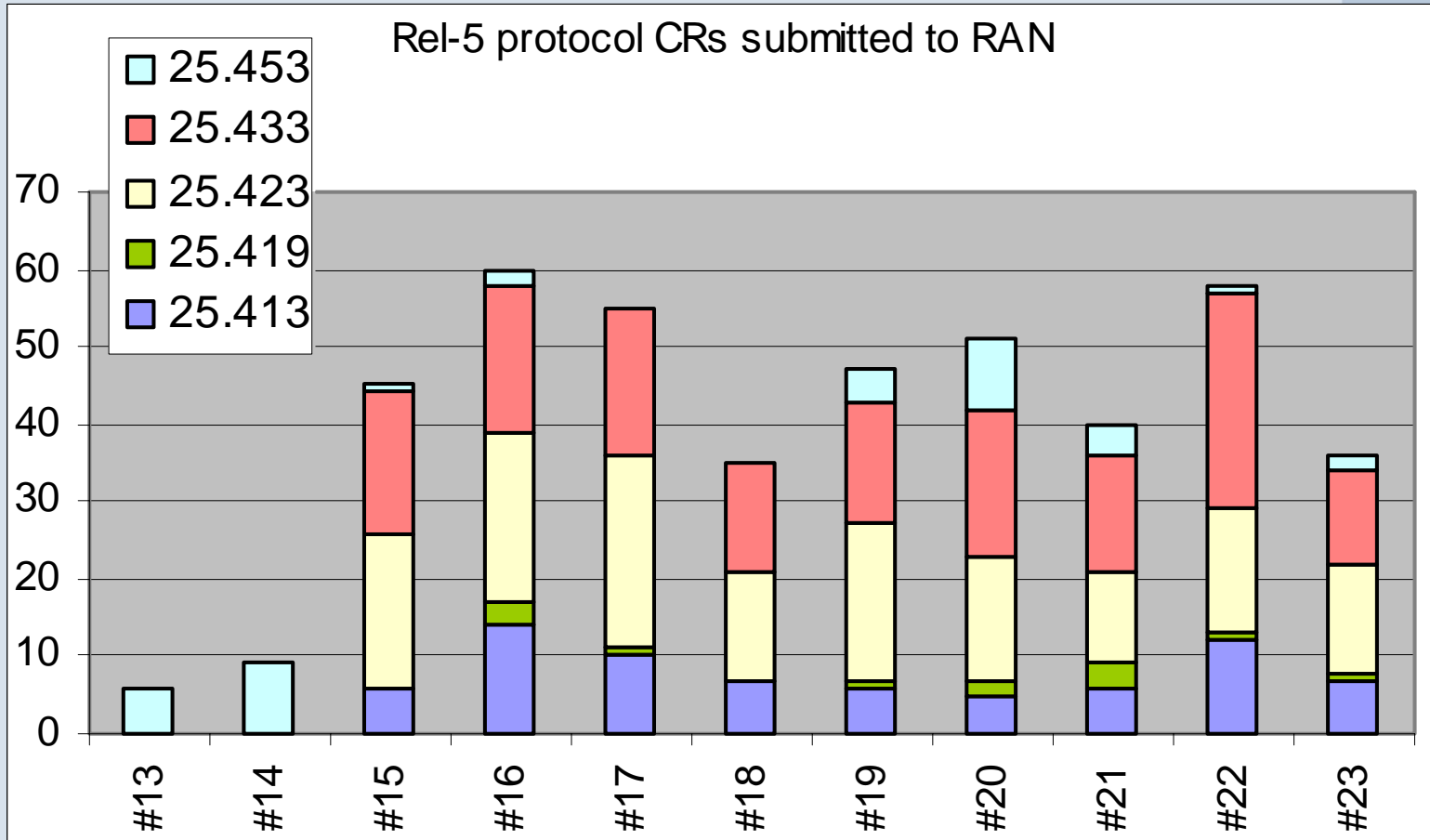


Total #Tdocs per RAN3 meeting

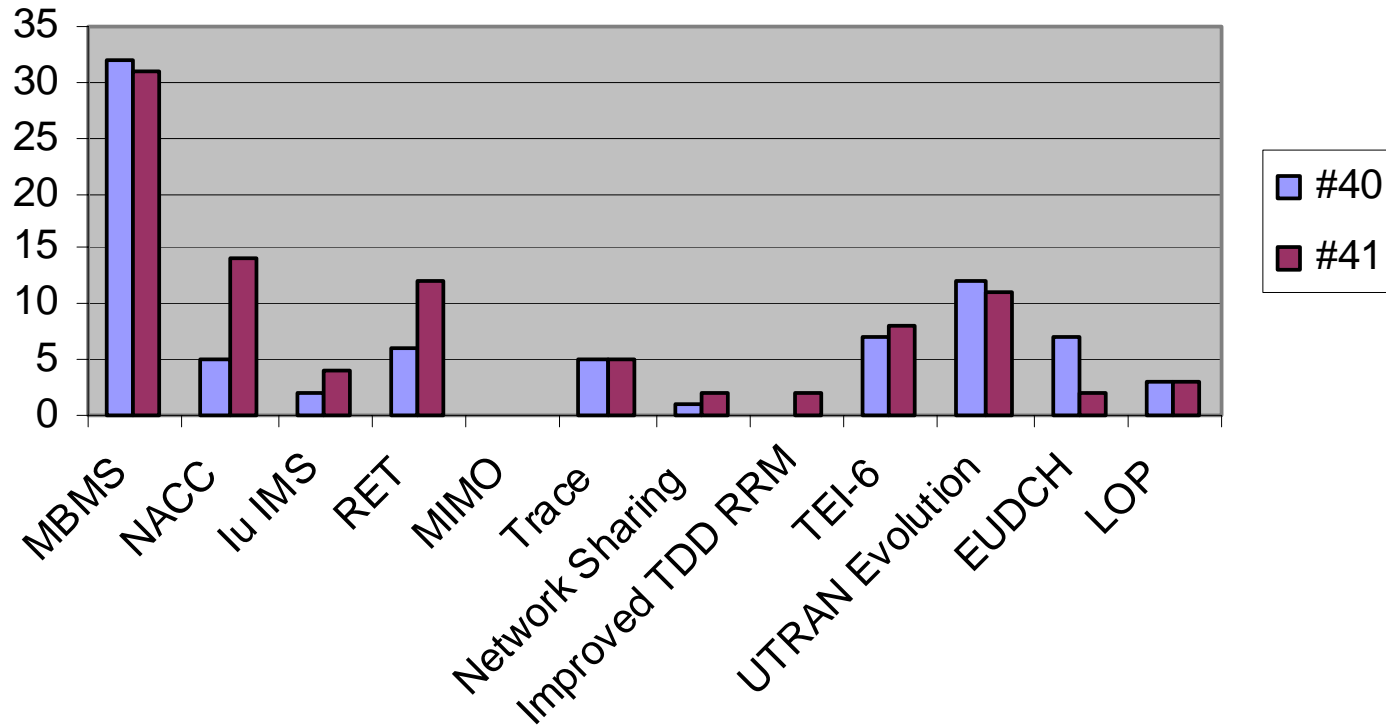








No of tdocs per Rel-6 WI/SI





R99 and Rel-4 activities



0 Release 99 CRs this time

Selected topics for Rel4 CRs

- **Alignment with TS 23.032 correction of „Included Angle for Ellipsoid Arc“**
 - for RANAP, RNSAP and PCAP (from Rel-5 onwards)

- **ASN.1 and tabular corrections**



Release 5 specific activities



Review of Rel-5 signalling specifications

- **Some left overs continued (RANAP)**
- **HSDPA corrections**
- **PCAP review performed**



RANAP Rel-5 issues

■ RANAP CRs (some leftovers from review)

- Integrity mechanism @ Relocation
- Data Volume reporting @ RAB Modification ⇒ LS to SA5
- usage of Cause Values
- Overload procedure
- Reset procedure

IP transport related issues

■ IP – ATM interworking (RAN task)

- see LS to RAN in RP-040077 in order to report activities
- 3 sets of technically endorsed CRs available:
 - introduction of Q.2631.1 (RP-040054)
 - specifying PWE3 as a new layer 1 option for tunneling ATM over IP (RP-040055)
 - removal of the 3rd interworking alternative from specifications (RP-040056)



- **still some changes to HSDPA, one larger issue, several minor corrections**
- **RAN3#41: 34 contributions – 12 agreed CRs**
- **Topics:**
 - Corrections for HS-DSCH Configuration Signalling
 - (reducing options to lower numbers of IOT test cases)
 - uniqueness of Priority Queue Id
 - minor ASN.1 & tabular clean-up's
- **other, non-HSDPA topics:**
 - setting of TGPSI @ RL Reconfiguration
 - minor ASN.1 & tabular clean-up's
 - TDD corrections
 - range of PCCPCH RSCP and PCCPCH power
 - Reconfiguration of Multiple Radio Links



Release 6 specific activities



■ Network Assisted Cell Change (NACC) from UTRAN to GERAN – Network-Side aspects

- complete set of CRs was submitted to #41
- major agreements already reached
- however, open issues on relevant lu and lur signalling protocol implementation
- WI Report in RP-040011

■ lu enhancements for IMS support in the RAN

- refinement of requirements
- still blocking situation for further requirements with user payload in signalling PDUs
- RAN chair will need to re-issue question to SA:
RAN cannot distinguish between SIP user traffic and SIP signalling traffic for those RABs which are supposed to carry signalling traffic only.
A coordinated approach with SA2 and CN groups is necessary to handle mixed content.
- WI Report in RP-040008



■ Remote Control of Electrical Tilting Antennas

- adhoc proposed at #40 for begin of 02/2004, was not agreed
- specific reflector created:
3GPP_TSG_RAN3-SA5-RET@LIST.ETSI.ORG
- agreements on impact of UTRAN architecture & protocol structure
- open issues on Layer 1 and Layer 2 aspects
- new series of 25.4xx specifications planned to be created
- WI Report in RP-040010

■ MIMO Iub/Iur Aspects

- no contributions



■ **Subscriber and Equipment Trace support in RAN**

- 2 decisions to be made
 - decision on the method for management based activation (2 proposals available)
 - whether to support tracing in DRNC in Rel-6
- operator's request to finalise the WI in time
- WI Report in RP-040016

■ **Improved access to UE measurement data for CRNC to support TDD RRM**

- CR agreed, WI can be finalised
- WI Report in RP-040009



- **(R1 WI) Improvement of inter-frequency & inter system measurements**
 - further RAN3 work dependent on RAN1 discussions
- **(R2 WI) Enhancement of the support of network sharing in the UTRAN**
 - contributions submitted to RAN3
 - not treated as agreements in SA2 are needed first



(R2 WI) Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN

- **substantial progress at #40 and #41**
- **agreements on**
 - UE linking via Iur
 - Iub optimisations
 - SGSN filtering of Session Start Indications
 - handling of RRC connected/PMM Idle UEs
- **raring to go for stage 3 work**



■ FS on the Evolution of UTRAN Architecture

- 12 out of 12 documents treated at RAN3#40
- 1 out of 11 documents treated at RAN3#41 (just the TR update)
- intensive email discussions between both meetings
- open issue list reflects the quality of the current discussion
- SI report in RP-040023

⇒ no conclusions yet possible

⇒ in order to be able to draw conclusions based on a substantiated analysis the study needs to be continued



■ Low Output Powers for general purpose FDD BSs

- O&M solution agreed
- no impact on specifications
- TR available in RP-040076
- SI can be finalised
- SI Report in RP-040024



- **(R4 SI) UTRA Wideband Distribution Subsystems (WDS)**
 - no RAN3 activity

- **(R1 SI) Uplink Enhancements for Dedicated Transport Channels.**
 - Architectural discussions were started at RAN3#40 and they continued via email afterwards
 - RAN3 specific content discussed and some initial agreements made at the joint RAN1/2/3 meeting in Malaga

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

Meetings 2004

Meeting	Dates	Venue	Host
RAN WG3 #41	16 - 20 February 2004	Malaga, Spain (co-located RAN1&2)	European Friends of 3GPP
TSG RAN#23	10 - 12 March 2004	Phoenix, USA	North American Friends of 3GPP
RAN3 Rel-6 Adhoc	30 March - 1 April 2004	Budapest (tbc), Hungary	European Friends of 3GPP
RAN WG3 #42	10 - 14 May 2004	Montreal (tbc), Canada (co-located RAN1&2)	North American Friends of 3GPP
TSG RAN#24	02 - 04 June 2004	Korea	
RAN WG3 #43	16 - 20 August 2004	Prague (tbc), Czech Republic (all RAN WGs co-located)	European Friends of 3GPP
TSG RAN#25	08 - 10 September 2004	Palm Springs, USA	North American Friends of 3GPP
RAN WG3 #44	04 - 08 October 2004	tbd, Europe * (co-located with RAN WG2)	
RAN WG3 #45	15 - 19 November 2004	Shin-Yokohama , Japan (all RAN groups co-located)	NEC
TSG RAN#26	08 - 10 December 2004	Athens, Greece	European Friends of 3GPP



Summary

- Rel-5 specifications ready for ASN.1 freeze
- Rel-6 work with satisfying progress
- Rel-6 adhoc needed end of March 2004

*Thanks to all the contributing RAN3 delegates
for their excellent work*

Keep experts active in RAN WG3 !!!

Welcome Juergen !!!