



>THIS IS **THE WAY**

Status report of RAN WG2 to RAN #27

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RAN WG2 Chairman



>THIS IS ~~NO~~ **TEL**



# Main activities since last RAN Plenary

- > Release 99 corrections
  - Occupied 0,25 day of last Quarter only
- > Release 4 corrections
  - Very minor
- > Release 5
  - Few corrections
  - Results from a long activity on cell selection/re-selection
- > Release 6
  - MBMS
  - HSUPA
  - IMS
  - ACBOP
  - TEI6
  - WI under other WGs

> Release 7



# Meetings held since last RAN Plenary



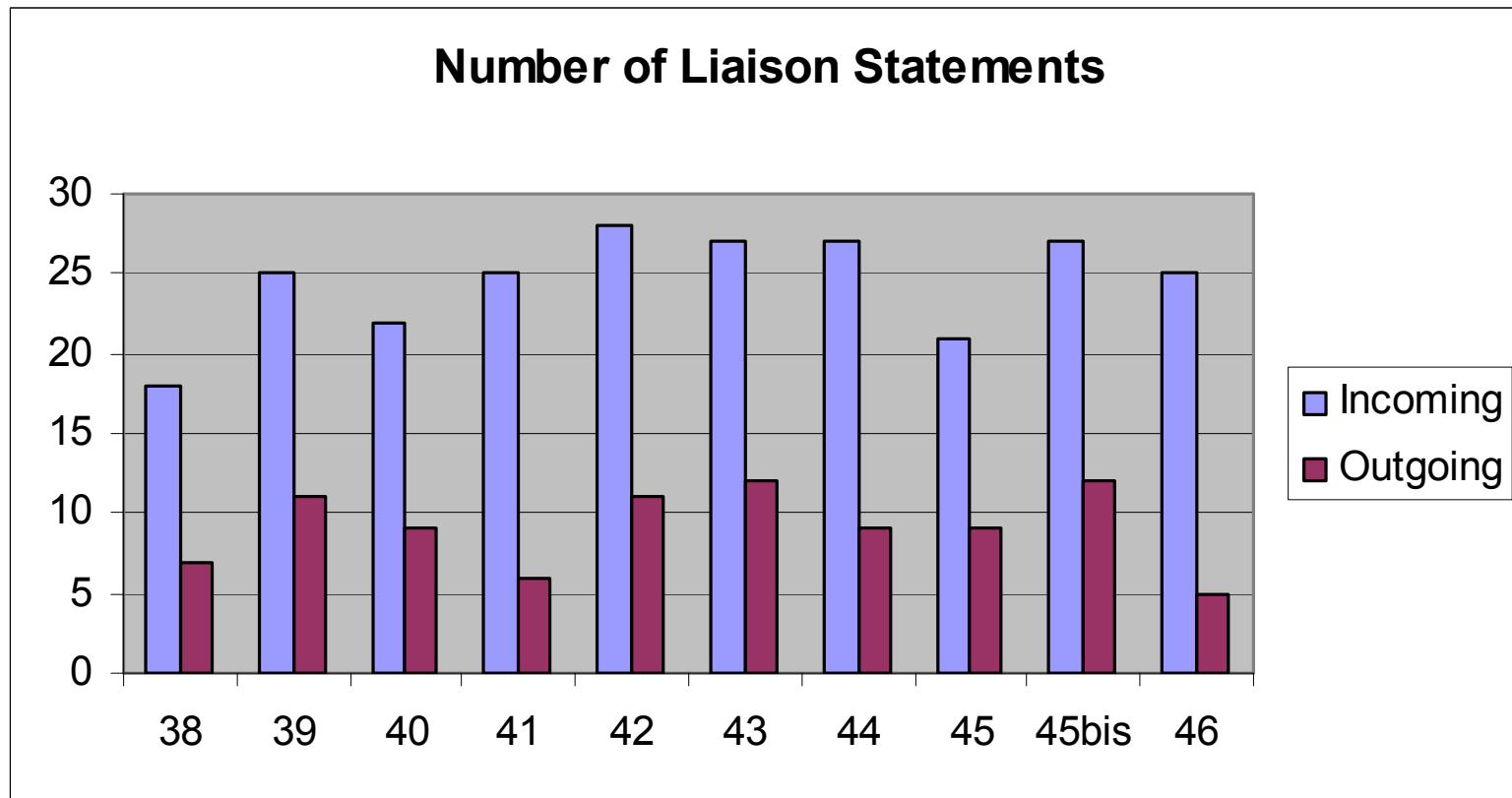
## > Two RAN2 meetings

- Each time 2 to 3 days parallel sessions on MBMS and HSUPA
- Ad-hoc sessions on cell selection/re-selection

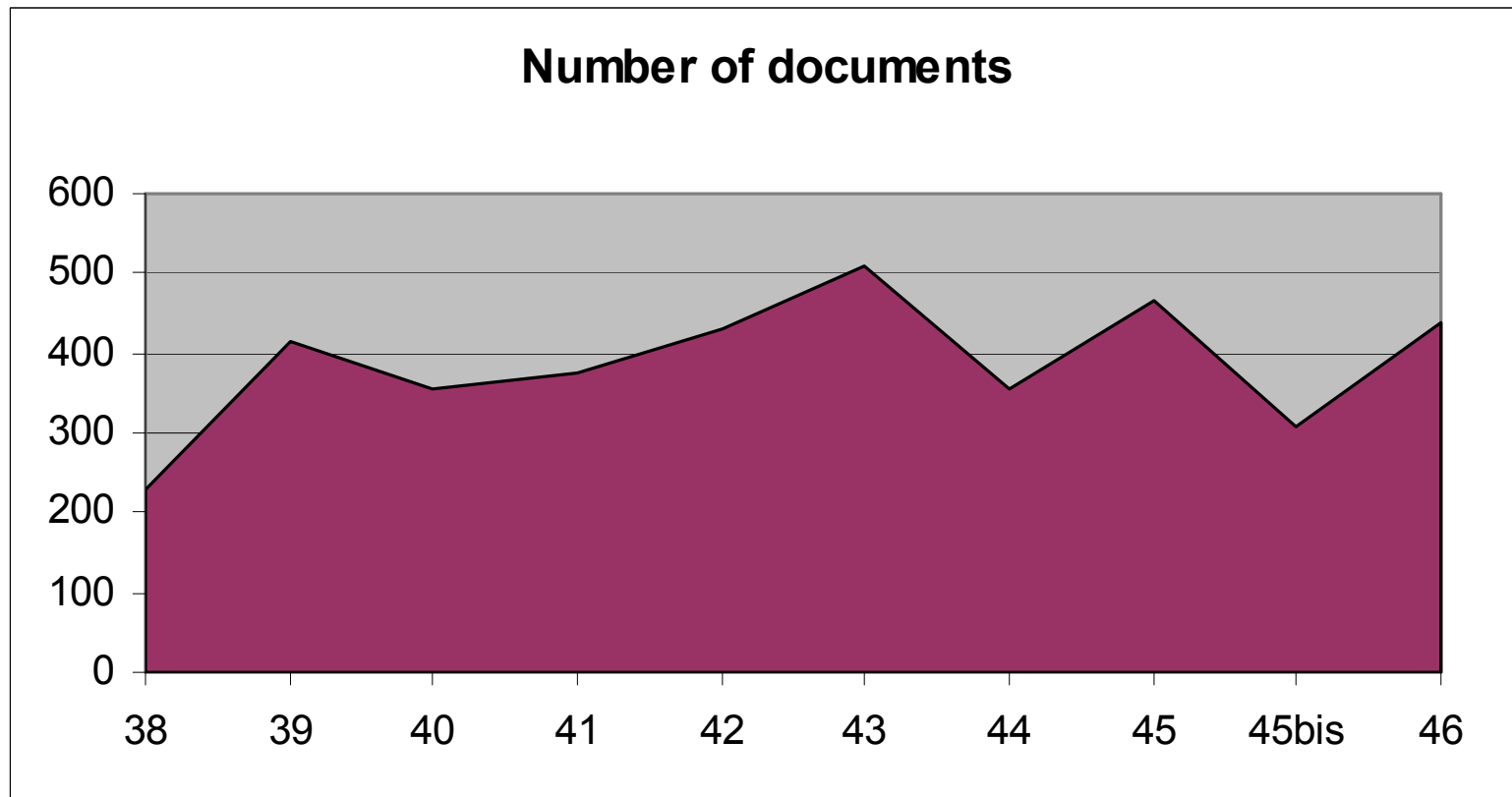
## > Intense activities!!!



# Liaison statements In/Out



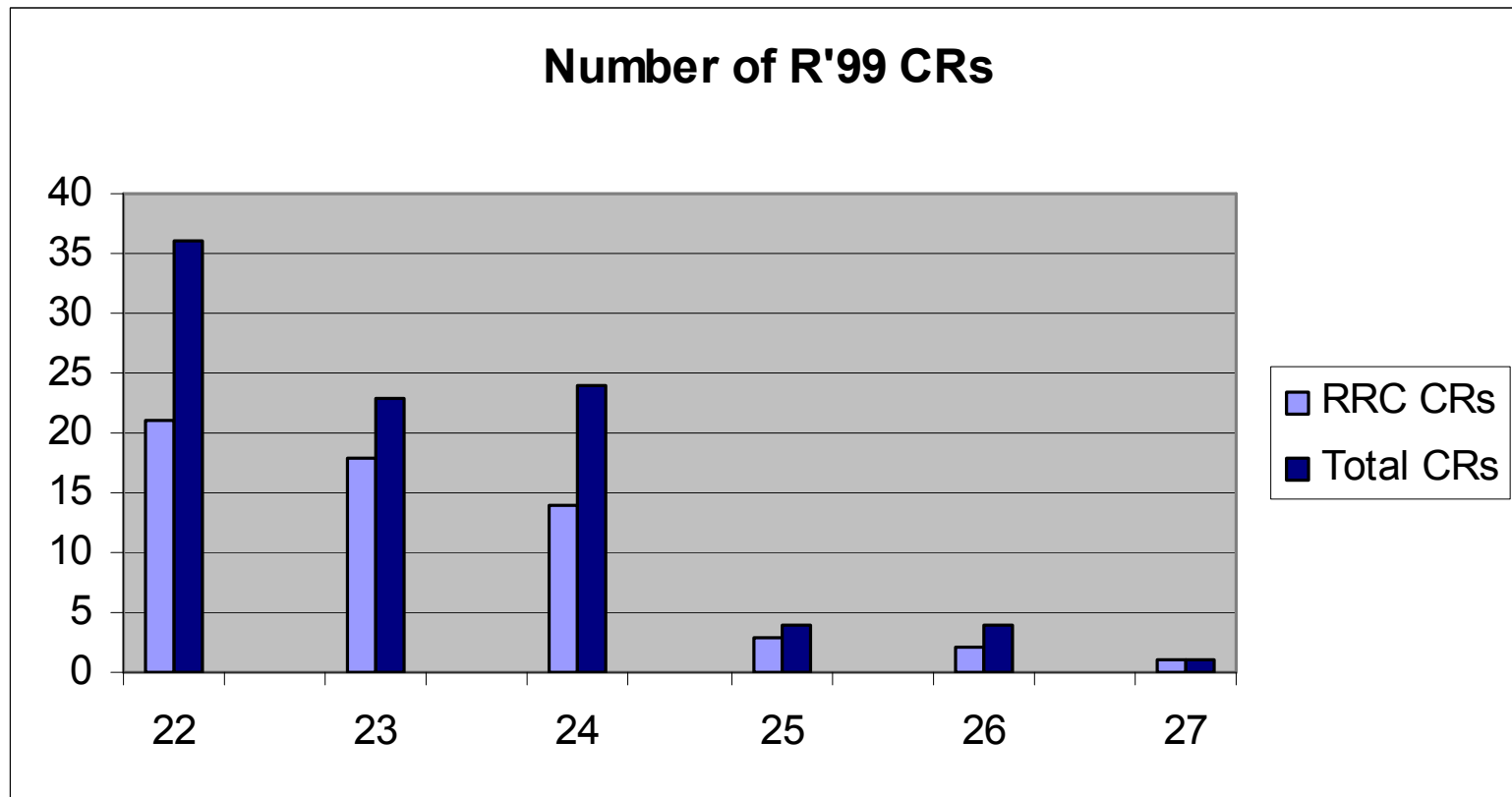
# Number of inputs per meeting



# Release 99 activities



# Rel 99 Change Request statistics



# CRs on R99 specifications



> Refer to RP-050023 for complete list of RAN WG2 CRs

- 1 RABs/RBs examples added in 25.993 in RP-050064 (reminder that 25.993 has only one version in Rel-6)
- 1 CR to remove TGPL2 in RP-050038 (RAN WG4 Zip)





## Release 4 activities



# Release 4 CRs



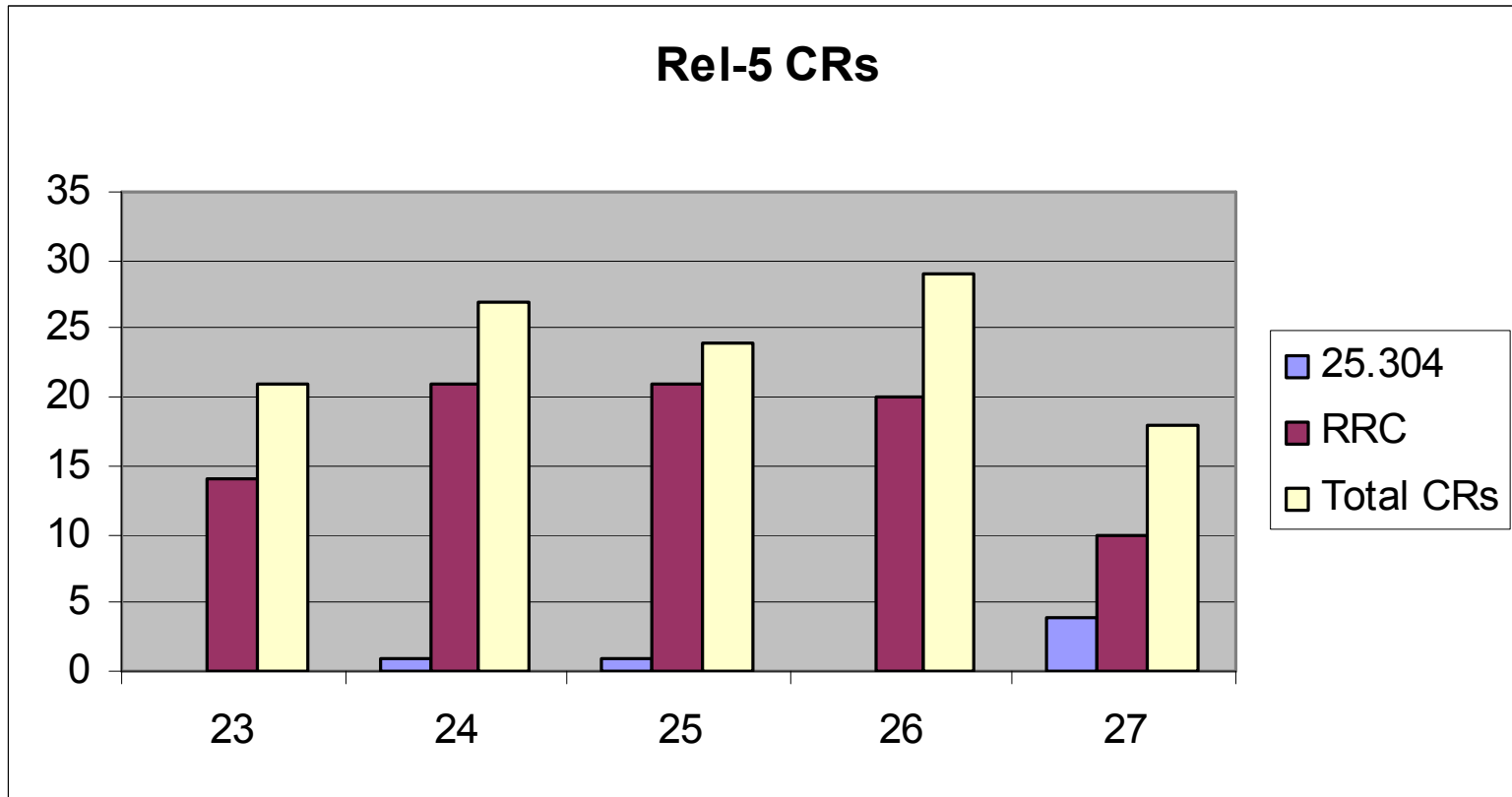
- > Refer to RP-050023 for complete list of RAN WG2 CRs
  - 1 CR in 25.306 to make DSCH optional for all UE categories
  - 1 CR fixing OTDOA for Rel-4 TDD only



## Release 5 activities



# Release 5 CR statistics





## Release 5 CRs

- > One Category B CR for the support of loss-less change of RLC size
  - RP-050067
- > Correction to remove EPC mechanism
  - RP-050068
- > 9 RRC corrections
  - RP-050069 and RP-050070 for complete list
- > Addition of W-AMR in 25.993
  - RP-050071
- > Major re-writing of cell selection/re-selection
  - RP-050073



# Release 6 activities



# List of Work Items under RAN WG2

- > MBMS
- > FDD Enhanced Uplink
- > Radio access bearer support enhancement



# MBMS



## > Progress on the Stage 2

- Corrections to the counting scheme in RRC connected states
- Probably now close to being final

## > Stage 3 corrections

- Good progress in conference calls held prior to RAN2 meetings

## > See status report







## FDD Enhanced Uplink

- > Good progress in January, but February did not achieve its goals, and it became clear that the past agreements lead to more divergence between various scheduler operations
- > Joint meeting with RAN1, RAN3 and RAN4 on RRM aspects
  - Showing the subject had been neglected
- > Many contentious points on the Stage 2
  - Completion slipped by one quarter
- > 2Q05 will have to prove as efficient as 4Q04
  - Much more work outside of meetings to progress (e-mails, conf calls)
- > Reduction of options is the target for the coming quarter, with Stage 2 completion
- > Stage 3 should be fast after Stage 2 is completed



# Radio access bearer support enhancement



- > Good progress on methodology to ensure ROHC performance/interoperability
  - RAN WG2 coordinated with T1 who will monitor RAN WG2 progress
  - RAN WG2 will continue on defining the test and performance requirements
- > One CR to make ROHC mandatory in Release 6
  - RP-050083
- > See status report



# Technical Enhancements and Improvements for Rel-6



- > Many contributions treated in January.
- > More work is needed because no time was available in February to continue
  - Request from RAN WG2 that TEI6 is allowed at least until June 05



# Feasibility Study under RAN WG2



- > Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications



## Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications



### > Good progress

- Complete CR on the Stage 2 discussed
- It includes UTDOA, with possibility to operate the Iupc interface with SAS control (vs RNC control up to Rel6)
- Detailed comments to be made to the proponents, presentation of the CR for approval in RAN expected in June 05



# Release 6 Items under other WGs



## > Optimisation of downlink channelisation code utilisation for FDD

- RAN2 CRs agreed in RP-050074

> proposal to set up F-DPCH in RRC connection setup was discussed, to be decided for June.



## Other release 6 corrections

> See Section 9 of RP-050023





## Other

- > Two UE vendors raised a general concern on mandatory Rel-6 features
  - Certain mandatory features may not be possible to test depending on the availability of that feature in the network. This had been the case in R99.
  - Some possible solution to this, based on some RRC signalling, was discussed.
  - It was agreed that this should be reported by the RAN2 Chairman to RAN Plenary for discussion/decision
- > Company contribution submitted in RP-050124







## Other (2)

- > Short discussion on feature clean-up
  - Pushed for plenary discussion
- > Discussion on support in one UE of features of a later release, with agreements on:
  - An UE is not allowed to indicate support for UE capabilities introduced in a further release
  - It was not precluded that UEs implement some features of a later release when possible e.g. support for some BCCH parameters introduced in a later release. However, it was agreed that this would need to be discussed in WGs to avoid that it introduces unforeseen issues, on a feature per feature basis





# Future meetings

	WG2#46bis	04-08 April	Beijing	China	Huawei
	WG2#47	09-13 May	Athens	Greece	EF3
	RAN#28	01-03 June	Quebec	Canada	
	WG2#48	29 Aug – 02 Sep	London	UK	EF3
	RAN#29	21-23 Sep	EU	EU	
	RAN#29bis (New)	10-14 Oct 05	TBD	Europe	EF3
	WG2#49	07-11 Nov	Asia		
	RAN#30	30 Nov – 02 Dec	EU	EU	





## RAN2 Terms of reference

> Updated ToR submitted to RAN

- added the responsibility for the testing requirements of RAN WG2 functionalities
- some minor corrections





## Chairman's concluding remarks

- > No more R4 or R99 corrections, only removal of features back to R99
- > Very few HSDPA corrections
- > Major result on cell selection/re-selection and CRs are brought for R5
- > MBMS progress
  - Some (final) Stage 2 decisions, and Stage 3 corrections
- > HSUPA progress
  - Stage 2 still occupying a lot of time
  - Time-plan slipped one quarter, need to reduce set of options
- > 2 meetings planned for 2Q05
- > IMS (VoIP) half completed; waiting for RAN WG1 prior to completion
- > Future work should be mainly on MBMS, HSUPA, IMS support, TEI6, and Rel7

R99/R4 stable, Release 5 stabilising

Some MBMS Stage 2 finalised, Stage 3 Corrections

HSUPA late on schedule by 1Q; Discussions will be (are) done in-between meetings for completion for June 05 (Conference calls, e-mail discussions)

Please sustain efforts and **keep experts** active in RAN WG2