



>THIS IS **THE WAY**

Status report of RAN WG2 to RAN #28

Denis Fauconnier
RAN WG2 Convenor



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



Main activities since last RAN Plenary

- > Release 99 corrections
 - No more R99 CRs ☺
- > Release 4 corrections
 - No CR
- > Release 5
 - Few corrections, feature removal
- > Release 6
 - MBMS
 - HSUPA
 - IMS
 - ACBOP
 - TEI6
 - WI under other WGs

> Release 7



Meetings held since last RAN Plenary



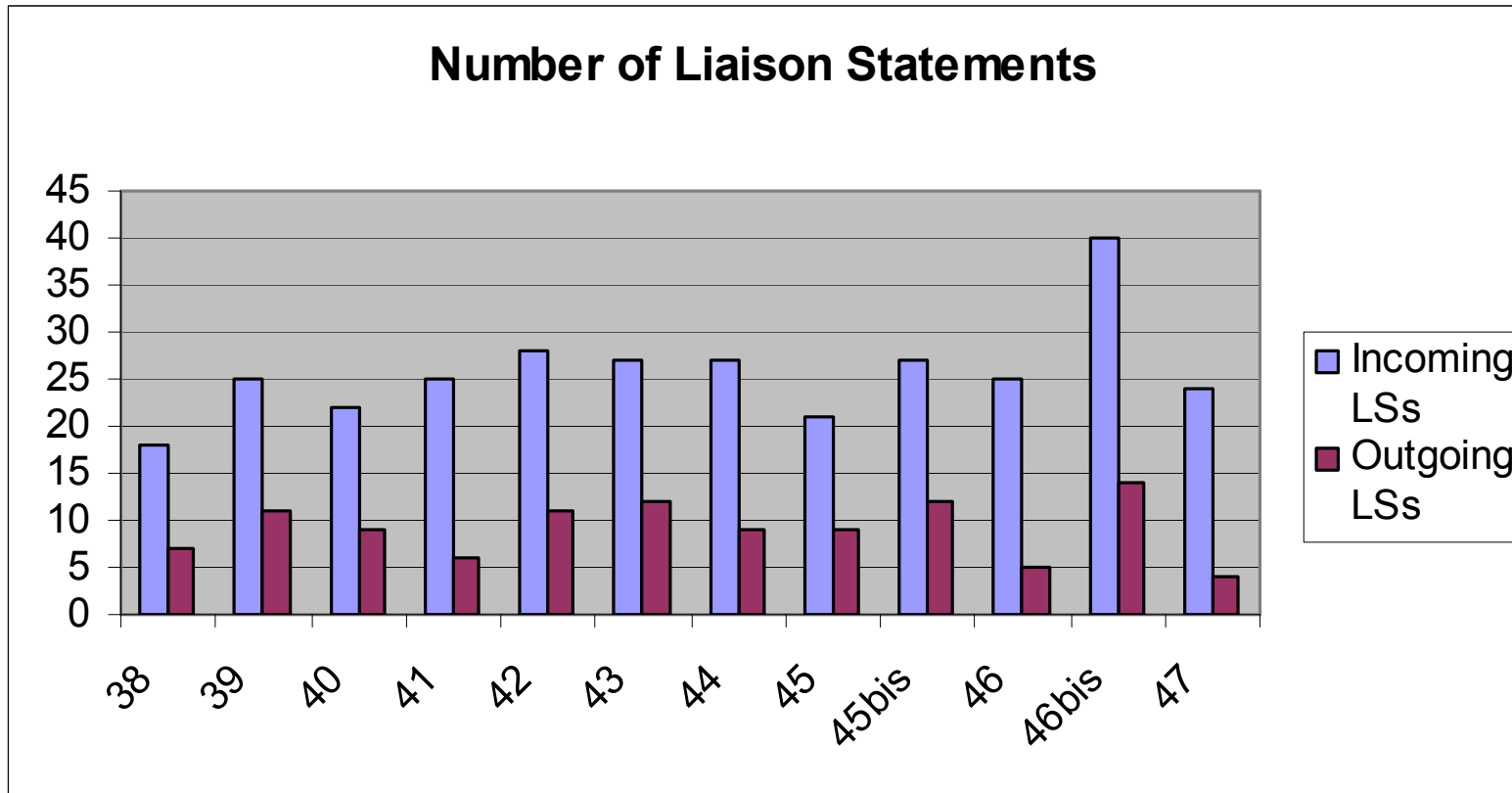
> Two RAN2 meetings

- Each time 2 to 3 days parallel sessions on MBMS and HSUPA
- Joint RAN2/RAN3/SA2 meeting on LTE

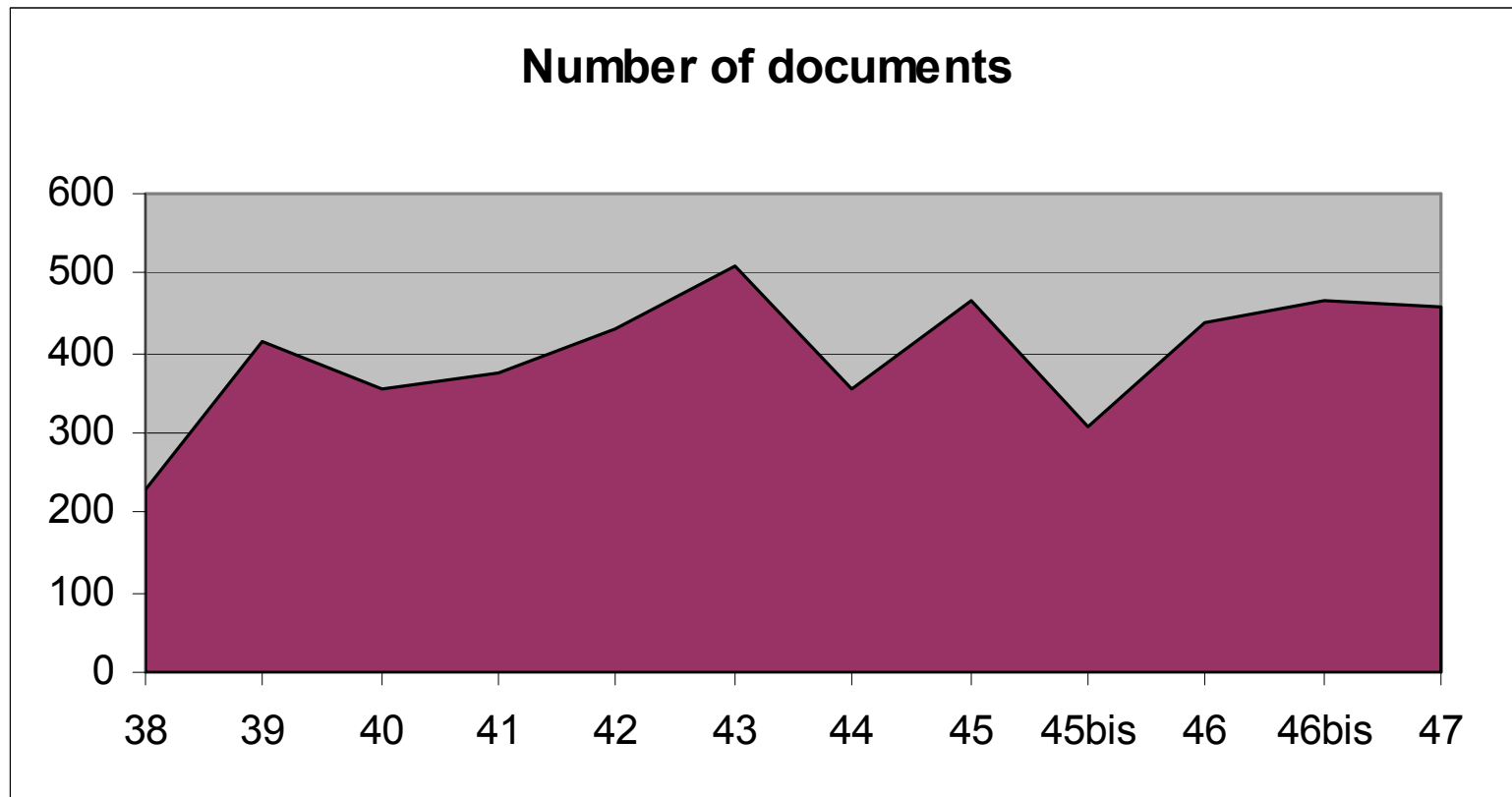
> Intense activities!!!



Liaison statements In/Out



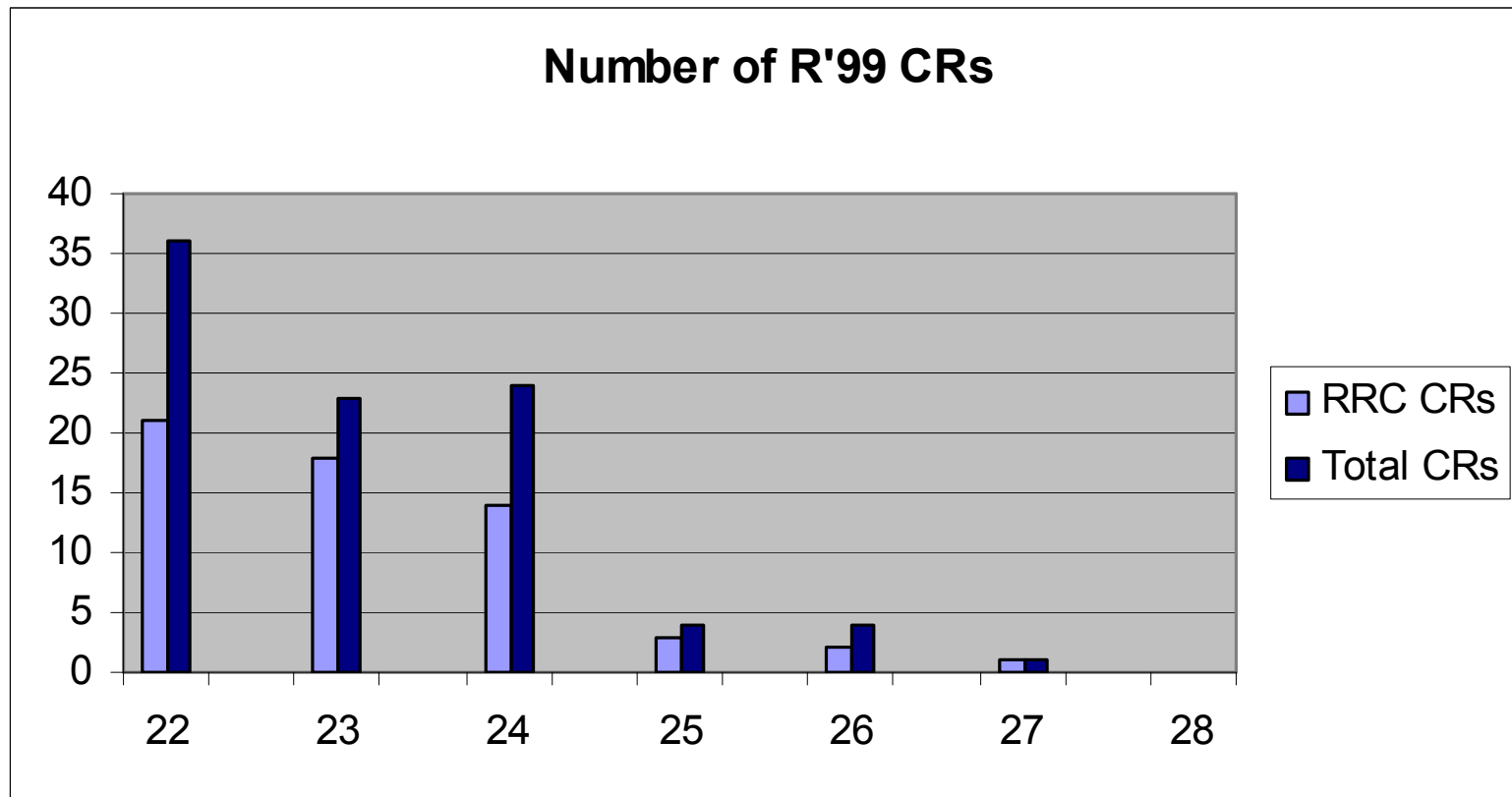
Number of inputs per meeting



Release 99 activities



Rel 99 Change Request statistics



Release 4 activities



Release 4 CRs



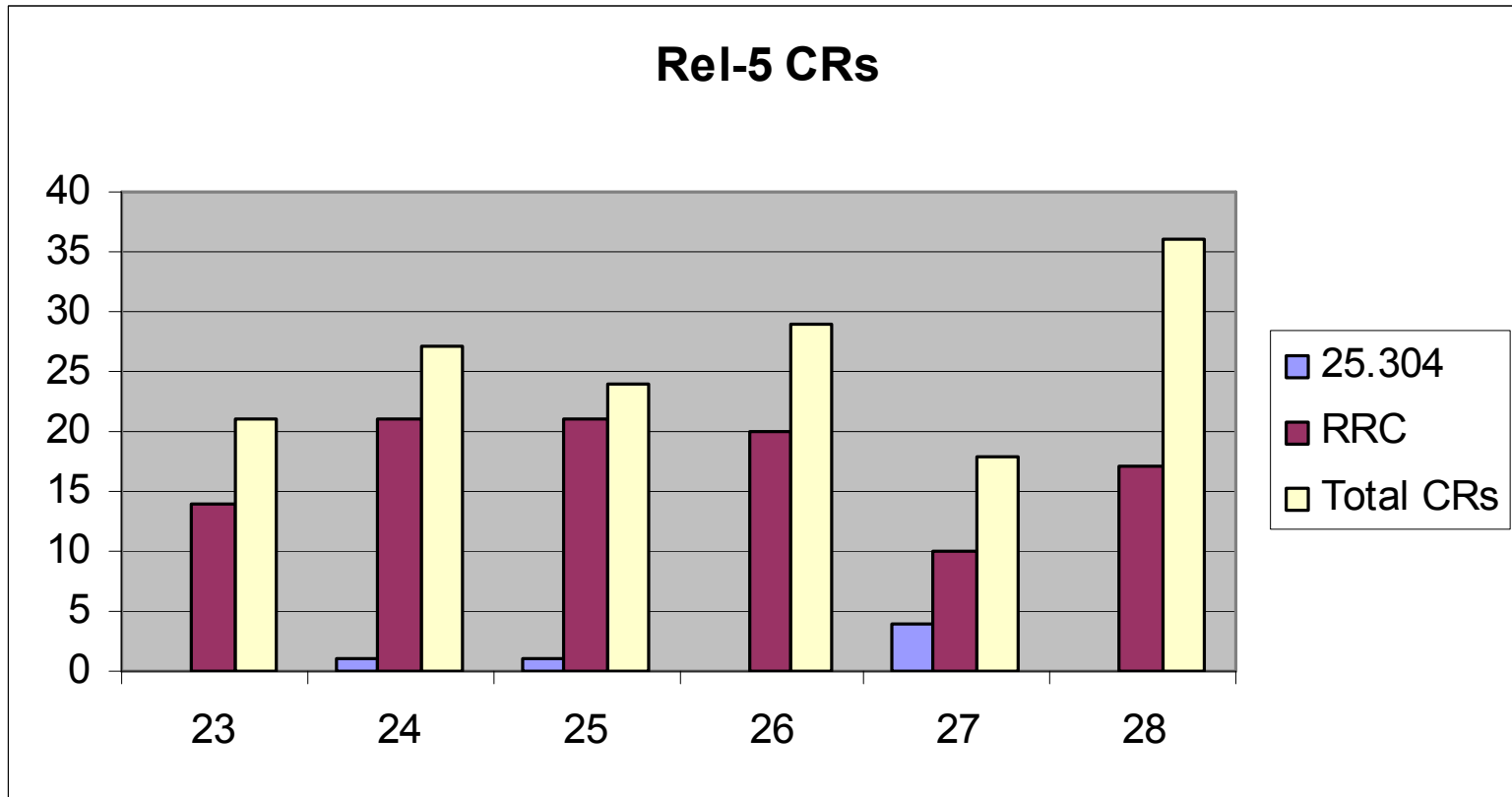
> No CR



Release 5 activities



Release 5 CR statistics



Note that without feature removal, number of CRs would have slightly decreased



Release 5 CRs

> HSDPA: 3 CRs

- Very minor: 2 CRs on MAC, on CR on loop-back function for testing

> ROHC: 3 CRs

- Two Category C CR So that the ROHC functionality implemented as a mandatory feature in Release 6 can be also implemented identical is Release 5 as an optional feature
- + CR introducing ROHC performance in Release 5

> TEI 5: 7 CRs

- See list for details

> Security: 1 CR

- in line with request from SA/SA3/CT1

> The rest are feature removal CRs



Release 6 and later activities



List of Work Items under RAN WG2



- > MBMS
- > FDD Enhanced Uplink
- > Radio access bearer support enhancement
- > Enhancement of the support of the Network Sharing in the UTRAN
- > DSAC (never an official WI in RAN)
- > TEI6
- > 3.84 Mcps TDD Enhanced Uplink
- > CS and PS call setup delay improvement
- > Improved Support of IMS Realtime Services using HSDPA/HSUPA
- > 7.68Mcps TDD option: Layer 2 and 3 Protocol Aspects



MBMS



- > Meeting now focused on completing the Stage 3 open issues
- > Long activities, many CRs
- > All improvements should be deferred to later releases
 - MBMS is very (too) complex already





FDD Enhanced Uplink

- > Excellent progress on Stage 2 and Stage 3
- > Most open items on Stage 2 now resolved/closed
- > Stage 3 CRs have been written, in line with Stage 2
- > UE capability has been progressed also
- > One CR per specification
 - Stage 2 and Stage 3



Radio access bearer support enhancement



- > Reminder: focus was on VoIP on dedicated channel
- > Good progress on ROHC performance/interoperability aspects
 - One CR agreed as an annex to 25.323
 - CR written for Release 5
- > Two CRs to introduce in ROHC target mode
 - CRs written for Release 5
- > Decision not to go for a Secondary Scrambling Code solution
 - Seems that this R99 function does not have a lot of support...
- > Remaining aspects is testing
 - RABs/RBs, and functions to be tested
- > Some independant CRs on F-DPCH and cell portion
- > WI could now be closed. See status report



Enhancement of the support of the Network Sharing in the UTRAN



- > One minor correction
- > Activity on early implementation in Rel-5 (see next+1 slide)



DSAC



> No CR

> Activity on early implementation in Rel-5 (see next slide)





Early Implementation of features

- > Discussion continued on the implementation of network sharing and DSAC (Release 6 features) in Release 5 UEs
- > Issue was also studied in CT1 who did not decide yet, but said they would go for a TR in case they would proceed
- > RAN2 discussed various solutions:
 - A TR capturing the early implementation
 - Moving the features in Rel-5 ASN.1
 - Moving the complete features in Rel-5 as optional features
- > Agreement in RAN WG2, pending RAN, SA, CT confirmation, is to proceed in line with CT1
 - On TR per feature, common to all TSG and WGs, under RAN WG2 responsibility
 - Keep ASN.1 in Rel-6 version, but in branches that could become easily Rel-5 branches in case non backwards compatible CRs to Rel-6 ASN.1 are made
- > RAN chairman should finalise discussion in SA Plenary



Technical Enhancements and Improvements for Rel-6



- > Many contributions treated in April and May.
- > Many TEI6 CRs agreed
- > Still some proposals on the table for which time was missing to decide/conclude
 - It is expected that this will continue in the next quarter, for this ongoing proposals



Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications



> Good progress

- Complete CR on the Stage 2 discussed and presented for approval
- CR has also been reviewed by RAN WG3
 - It includes UTDOA, with possibility to operate the lupc interface with SAS control (vs RNC control up to Rel6) for all UP methods





3.84 Mcps TDD Enhanced Uplink

- > Stage 2 progress captured in TR
- > Some discussion on Transport Channels, to be continued
- > Decision that Stage 2 will ultimately be incorporated in 25.309 Release 7





CS and PS call setup delay improvement

- > Mainly e-mail and off-line discussions to agree on a list of scenarios to consider
- > Revised Work Item description sheet was reviewed and was further updated by the rapporteur
 - has to be reviewed and then approved by RAN Plenary



Improved Support of IMS Realtime Services using HSDPA/HSUPA



> Two CRs agreed in Release 6



Work Items under other WGs



- > 7.68Mcps TDD option: Layer 2 and 3 Protocol Aspects
 - Text agreed for the TR
- > Optimization of channelization code utilization for TDD
 - Some CRs agreed





Other release 6 corrections

> ASN.1 clean-up CR

- One of the questions is the target date for freezing Rel-6 ASN.1
 - Dec 05 or March 06?





Future meetings

	Ad-hoc on LTE	21-22 June	Sophia Antipolis	France	EF3
	WG2#48 (+ joint on LTE)	29 Aug – 02 Sep	London	UK	EF3
	RAN#29	21-23 Sep	EU	EU	
	WG2#48bis	10-14 Oct	EU	EU	EF3
	WG2#49	07-11 Nov	TBD	Korea	Samsung
	RAN#30	30 Nov – 02 Dec	EU	EU	





Chairman's concluding remarks tbd

- > No more R4 or R99 corrections
- > Very few HSDPA corrections
- > MBMS progress
 - Some (final) Stage 2 decisions, and Stage 3 corrections
- > HSUPA progress
 - Stage 2 now complete
 - Stage 3 CRs provided
- > 1 plenary meeting planned for 3Q05, 1 meeting on LTE end of June, one joint LTE meeting in August
- > IMS (VoIP) completed
- > Future work should be mainly on MBMS, HSUPA, TEI6, LTE and Rel7

R99/R4 stable, Release 5 stabilising

MBMS Stage 2 finalised, Stage 3 corrections

HSUPA Stage 2 now finalised, next step is Stage 3 corrections

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