



Status report of RAN WG2 to RAN #24

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RP-040167

Main activities since last RAN Plenary

- **Release 99 corrections**
 - Occupied 1 day of last Quarter only!!!
- **Release 4 corrections**
 - Very few
- **Release 5**
 - Status of ASN.1
 - One last corrective radio CR. Shall be frozen in June 04 as requested by RAN.
 - Correction of SRNS relocation info
- **Release 6**
 - MBMS
 - Dedicated 3 days ad-hoc meeting
 - Mostly progress on stage 2 issues
 - Stage 3 is now starting
 - Joint meeting on enhanced uplink with RAN WG1
 - Good progress on a number of items. WI on schedule.



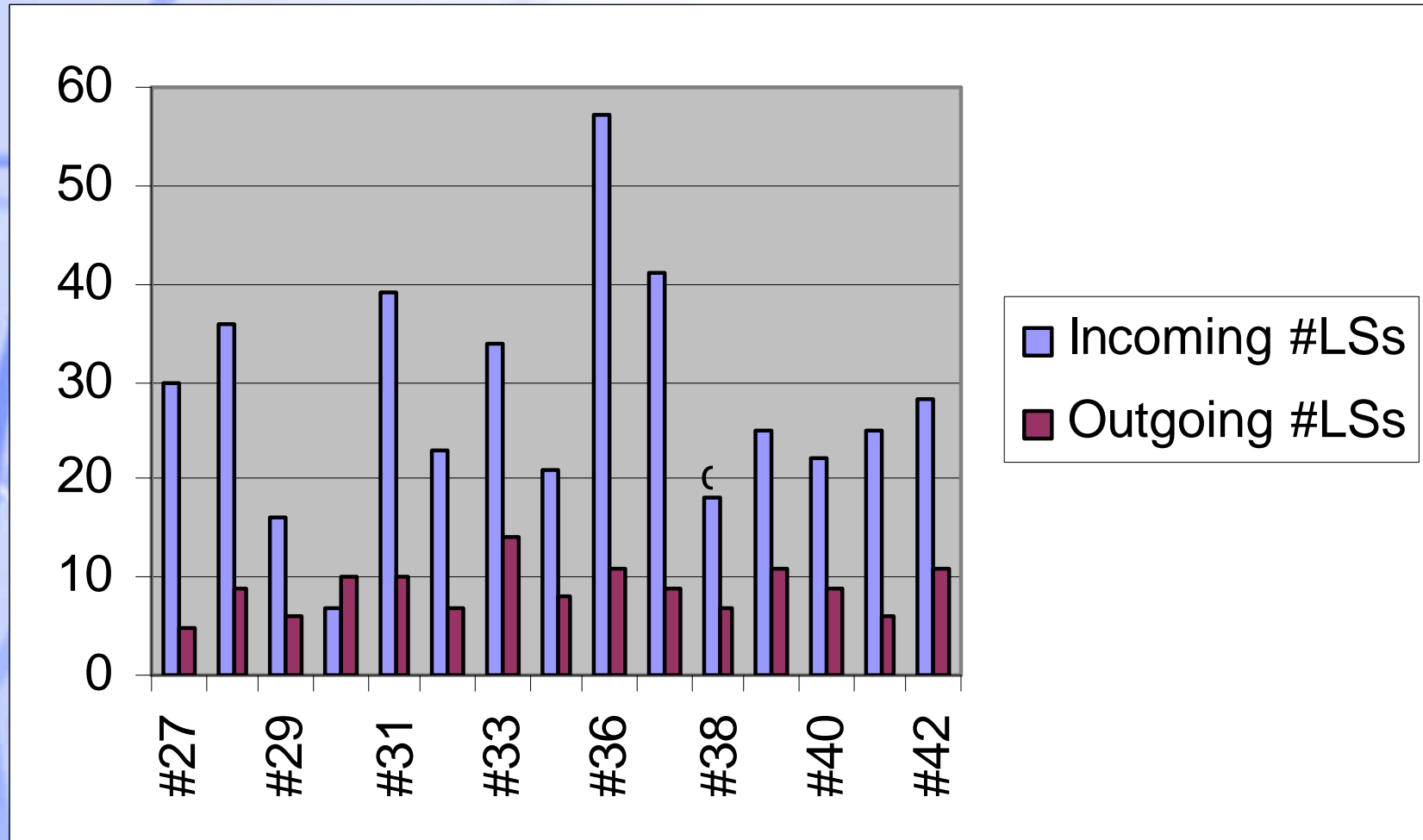
RAN WG2 statistics

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Meetings held since last RAN Plenary

- One ad-hoc meeting on MBMS
- One RAN2 meeting
- One day joint meeting with RAN1 on HSUPA and HSDPA

Liaison statements In/Out

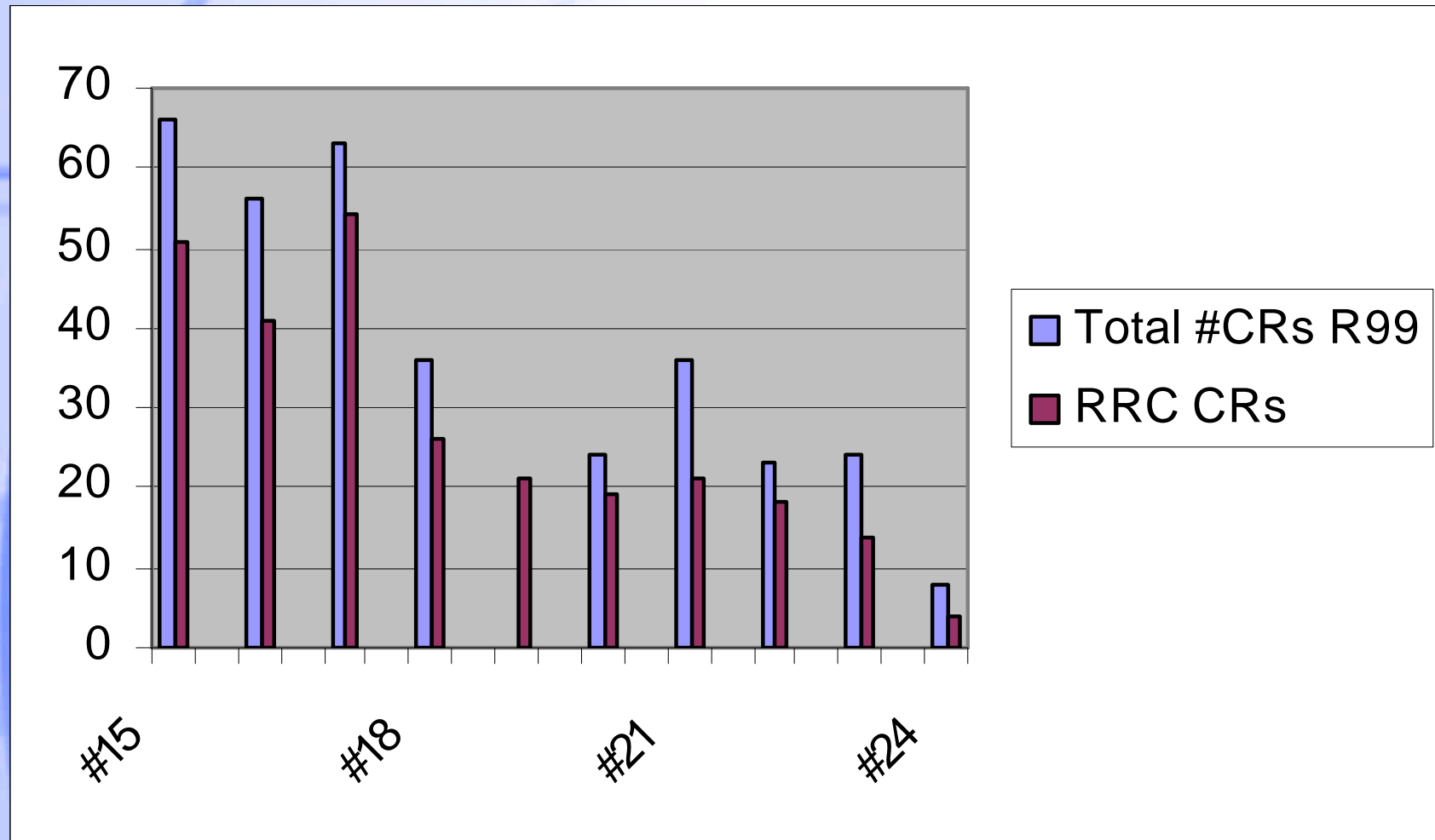




Release 99 activities

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Rel 99 Change Request statistics



RRC CRs on R99 specifications

- **Refer to RP-040168 for complete list of RAN WG2 CRs**
 - CRs on forward compatibility on empty non-critical extensions
 - Essential to ensure forward compatibility but
 - should not impact any UE implementation
 - CRs on RLC size
 - Certain flexibility from the standard is removed because it is too late to specify these cases now, and they are not essential
 - should not impact any UE implementation
 - see next slide, unforeseen T1 impact
 - CR on BMC (SMS Cell Broadcast)
 - Optional feature in UE
 - CR on RRC for TDD only on SIB reading
 - CR on RRC, aligning with R99 CR already approved in March
 - Had been wrongly implemented
 - should not impact any UE implementation having implemented the March CR
- **This is ALL**
 - Early UEs are not affected

CRs on RLC size handling

- **Total CRs in several pieces**

- remove from R99 the capability to change RLC PDU size (UE behaviour already specified as not specified for SRB2 since Sept 03)
 - CRs in RP-040201 contain R99 and R4 CRs
 - R5/R6 shadow CRs are in RP-040214
- enhancement for R5/R6 allowing clean RLC size change are provided in RP-040224
 - RP-040224 is proposed to replace shadow CRs in RP-040214
- RP-040200 contain companion CRs on R'99-Rel4-Rel5-Rel6 on 25.321

- **CR approval on R99 should be discussed since T1 uses the RLC size change to set-up reference channel, although not specified in R99...**

- Impacts in T1 would be significant, and way forward has to be discussed

Release independant frequency bands

- nothing





Release 4 activities

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Release 4 CRs

- **Refer to RP-040168 for complete list of RAN WG2 CRs**
 - 3 CRs on TDD
 - CRs after ASN.1 review
 - 1 CR on IE "Cell Info"



Release 5 activities

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Release 5 CRs

- Refer to RP-040168 for complete list of RAN WG2 CRs
- Important work on fixing Virtual Active Set feature
- Several other corrections



Review of specifications in view of Release 5 freezing

- **Review of RRC ASN.1 and procedures was continued by several companies**
 - Last (hopefully) discrepancies with R99/R4 were discovered
 - Thank you to the delegates who spent a time on this review

HSDPA

- Very few CRs
- HSDPA stable in RAN WG2
- Pending question from T1 on RBs for HSDPA testing

Small Technical Enhancements and Improvements for Rel-5

- none





Release 6 activities

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List of release 6 Work Items under RAN WG2

- MBMS
- FDD Enhanced Uplink
- Radio access bearer support enhancement
- UE positioning enhancements
- MIMO layer 2/3
- Enhancement of the support of network sharing in the UTRAN

MBMS

- **Significant progress was made on stage 2 aspects**
- **Subject attracting many contributions**
- **Ad-hoc meeting of 3 days**
- **Good progress, stage 3 will start at next ad-hoc meeting end of June**
- **See status report**



FDD Enhanced Uplink

- **Work started with a joint meeting with RAN WG1 to progress quickly joint topics. Excellent progress. Main decisions were:**
 - Decisions on E-DCH and CCTrCH of E-DCH type
 - HARQ/E-DCH in SHO
 - Intra-Node-B “softer” HO supported
 - Inter-Node-B soft HO should be supported
 - Re-ordering entity in the SRNC
 - ACK/NACK requirements
 - Will be defined in RAN2 at the next meeting in Cannes, after analysis of the protocol
 - Main remaining joint decision is on scheduler
 - To be defined in joint meeting in Cannes in June 04
 - See status report

Radio access bearer support enhancement

- **Further contributions have been made**
 - Simulations on secondary scrambling code solution
 - Signalling support was discussed
 - Good discussions on ROHC remaining work
- **Decision on recommended solutions to be made in August 04**
- **CRs to be written for Dec 04**
- **See status report**

Enhancement of the support of network sharing in the UTRAN

- **Some contributions**
 - Draft CRs were discussed and have to be revised
 - Progress according to schedule
 - may be completed in Sept 04
 - See status report

MIMO layer 2/3

- No input



UE positioning enhancements

- **Presentation of Enhanced IPDL using time-aligned idle periods**
- **One Rel 6 CR agreed on Indication of achieved accuracy in position estimate**

Technical Enhancements and Improvements for Rel-6

- **CR agreed on:**
 - UE memory capabilities
- **CR agreed on correction of ASN.1 definition of IE "SysInfoType5bis"**
- **Discussions on:**
 - Mechanism to speed up call set-up
 - Several principles discussed to decrease message size
- **Some other enhancements**

Feasibility Study under RAN WG2

- none



Release 6 Items under other WGs

- **Signalling Complexity in Code Sharing during Compressed Mode**
 - No RAN WG2 issue
- **Discussions on:**
 - Assistance to WLAN
 - Domain Specific Access Control
 - SA2 work item, RAN2 second responsibility
 - CRs near ready in RAN2

Conclusions

Chairman's concluding remarks

- Few R99 corrections, and none impacting Early UEs
- HSDPA stable, few CRs
- MBMS has progressed a lot, most big architecture decisions have been taken, and work is now going to progress on stage 3
- HSUPA (FDD uplink enhts) progressed as planned, jointly with RAN WG1
- RAN WG2 moving towards 4 meetings a year in 2004
 - Ad-hoc meetings are organised, next jointly with RAN WG1
- **Future work should be mainly on:**
 - MBMS, IMS support, Release 6 TEIs, and HSUPA

Release 99 changes decrease, HSDPA is stable
MBMS has been progressing well, Thank you to all!

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

