Status report of RAN WG2 to RAN #23

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RAN WG2 Chairman

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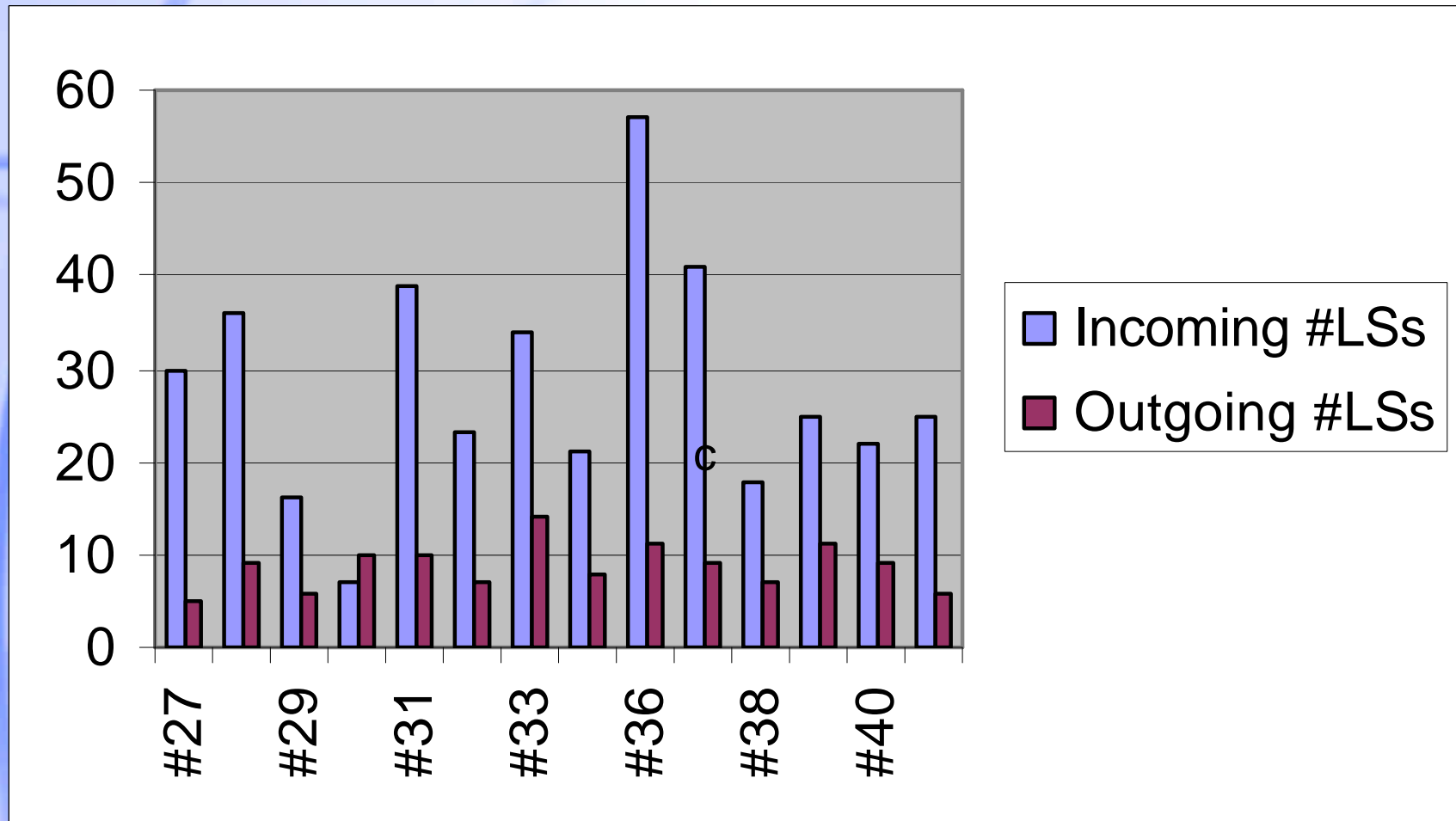
Main activities since last RAN Plenary

- **Release 99 corrections**
  - Occupied 1,5 days of last meeting, number of CRs and time spent is down.

- **Release 4 corrections**
  - Very few

- **Release 5**
  - Some HSDPA corrections
  - Completion of last TEI
  - Review of ASN.1 and procedures in view of release 5 freezing
    - Corrective CR on Release 4 also done

- **Addition of some new bands**

- **Release 6**
  - MBMS
    - Joint meeting with RAN1 (and RAN3)
    - Most stage 2 issues concluded
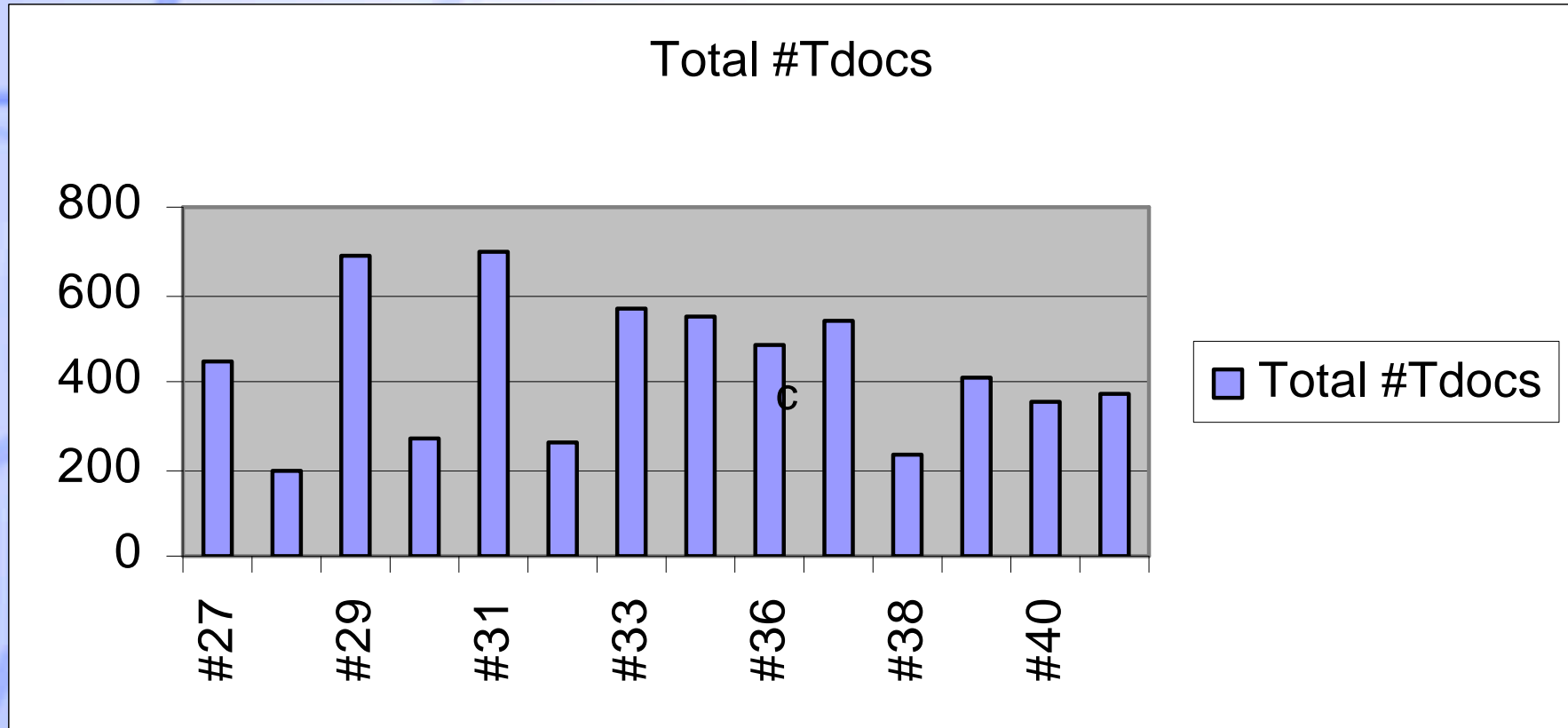 - Joint meting on enhanced uplink with RAN WG1 and RAN WG3

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RAN WG2 statistics

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Meetings held since last RAN Plenary

- **Two meetings since last RAN Plenary**
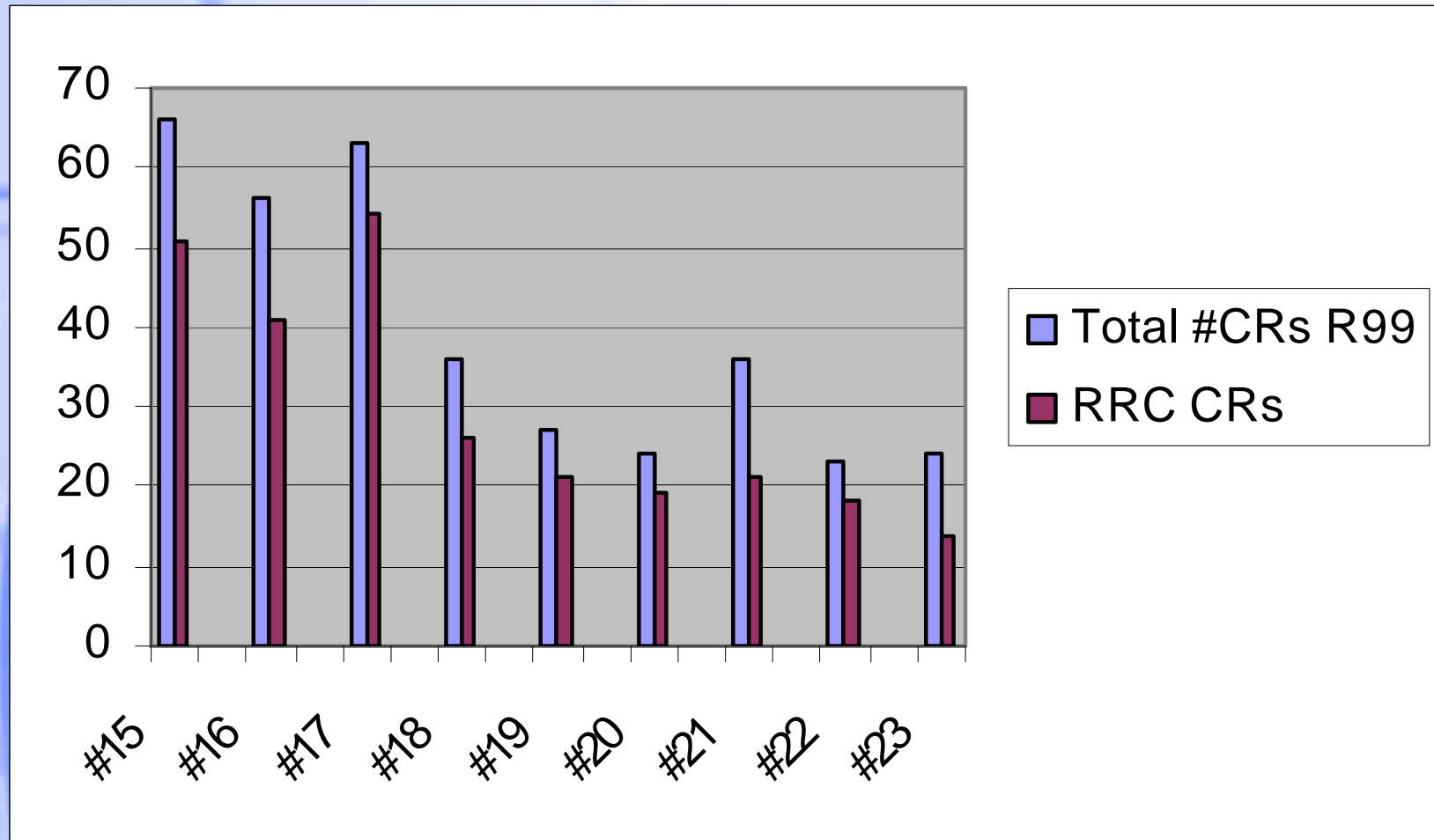
- **One day joint meeting with RAN1 (and RAN3 partly)**

Liaison statements In/Out

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Total number of documents per meeting

Total #Tdocs

Rel 99 Change Request statistics

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Release 99 activities

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Change Requests on R99 specifications

- **Refer to RP-040029 for complete list of RAN WG2 CRs**
  - 14 CRs on RRC
  - 1 CR on 25.304

- **other CRs are:**
  - 4 CRs on methodology 25.921
  - 1 clean-up CR on 25.922
  - 2 RAB/RB examples in 25.993
  - 4 set of CRs for new frequency bands

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RRC

- **Number of CRs decrease**

- **Most CRs are either:**
  — Mostly worded as « UE should » in R99, « UE shall » in R4
  — Even the R99 « shall » that should not impact an educated UE implementation…

- **Some CRs now pushed in a later release (release 5 so far). See slide on 25.998…**

List of RRC R99 CRs

Spec	CR	Rev	Phase	Subject
25.331	2165	2	R99	Response on SRNS Relocation with Cell Update
25.331	2169	-	R99	TPC Combination Index in SRNC relocation
25.331	2177	1	R99	Invalidation of START value in USIM/UE.
25.331	2181	1	R99	Uplink Integrity protection handling in case of N302 increment
25.331	2185	1	R99	Amount of reporting for UE-based and UE assisted A-GPS
25.331	2218	-	R99	Correction to event 6D
25.331	2222	1	R99	Correction to UE positioning reporting for GPS standalone operation mode
25.331	2230	1	R99	Initialisation of virtual active set
25.331	2232	-	R99	UTRAN setting of the activation time for TM bearers in Ciphering Mode info IE
25.331	2236	-	R99	Corrections to "Entered parameter"
25.331	2240	-	R99	Corrections to TFC Subset Functionality
25.331	2244	1	R99	Waiting for RLC-ACK on UMI
25.331	2278	-	R99	Issues related to Inter-RAT and Inter-frequency handovers
25.331	2282	-	R99	Corrections to reconfiguration scenarios and ciphering of TM RBs

Release independant frequency bands

- **4 batch of CRs**
  - RP-040090: Introduction of band IV, revised in RP-040121 (Source Nokia)
  - RP-040091: Introduction of band V
  - RP-040092: one alignment CR with RAN4)
  - RP-040093: missing reference to section 8 of 25.101 for UMTS800

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25.993 RAB/RB examples

- **2 CRs**

- **Recap on how this TR is handled:**
  — It is a release independant TR. Actual release from which a Radio Bearer applies is specified in the text
  — The current TR on which CRs are made is Release 6
  — CRs are handled in RAN WG2 under the Agenda Item of the applicable release
  — It was requested that in RAN Plenary, all CRs are under **Release 6** on the RAN Agenda Item

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Other

- **Proposed TR 25.998 was discussed (company document submitted in RP-040080)**

- **Decision needed in RAN Plenary**
  - Purpose of the TR would be to capture list of late corrections which have been done in a later release due to their non-essential nature for a frozen release

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Release 4 activities

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Release 4 CRs

- **Number of corrections is low**

- **Refer to RP-040029 for complete list**
  - Among them, one CR after extensive review of ASN.1 for Release 5 freezing
  - This shows that such a review will be needed prior to each release freezing

Release 5 activities

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Release 5 CRs

- **Refer to RP-040029 for complete list of CRs**

- **One Technically endorsed CR (one company objection):**
  - — RP-040105 (CRs 2248 and 2249 on RRC) on Invalid Simultaneous Reconfiguration Criteria

Review of specifications in view of Release 5 freezing

- **Extensive review of RRC ASN.1 and procedures was performed by several companies**
    - Many discrepancies with R99 were discovered
    - Release 4 errors were also discovered during the review

- **One corrective CR is presented for Release 4 and one for Release 5. Thank you to the delegates who spent a lot of time on this review (and to Sven Ekemark the rapporteur)**

- **Once these CRs have been agreed, RAN2 is proposing to freeze Release 5**
    - all CRs should be isolated impact for June 04
    - Decision may be revisited in RAN WG2 if major discrepancies are discovered prior to June 04

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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

- **Handover UTRAN/GERAN Iu mode**
  - Reply received from GERAN asking for guidance on a last item
  - (This time) final CR resolving the long lasting discussion with GERAN

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Other

- **Clean-up of 25.922 was performed**

Release 6 activities

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List of release 6 Work Items under RAN WG2

- **MBMS**

- **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**

- **Joint meeting with RAN WG1 (and RAN WG3) has helped close all the common issues**

- **Good co-ordination with SA2 based on LS**

- **Stage 2 presented for approval**

- **See status report**

Radio access bearer support enhancement

- **More contributions have been made**
  - main principles/Radio Bearer alternatives now available

- **Principle agreements on:**
  - ROHC to be mandatory (at least for UEs that can do IMS…)
  - Need to define more precisely ROHC usage to ensure adequate performance (in particuliar for VoIP).

- **TR presented for Information in RP-040122**

Enhancement of the support of network sharing in the UTRAN

- **Some contributions**
  - principle agreement on BCCH extension
  - RAN2 will work directly on draft CRs

Technical Enhancements and Improvements for Rel-6

- **Some CRs agreed**
  - RP-040110, on cell selection indication when sending the UE back to Idle Mode. Similar GERAN addition.

- **Discussions on:**
  - Domain Specific Access Control. LS sent to SA2.
    - WI is proposed by SA2 with RAN2 as second responsibility.
  - Shorter UE L3 Processing requirements
    - System benefits from the proposal are needed
  - Interworking with WLAN
    - Request from SA1.
    - LS with many questions sent to SA1, cc SA
  - Unclear request from T3 on Network measurement report in UTRAN

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Feasibility Study under RAN WG2

- **Enhancements to OTDOA Positioning using advanced blanking methods**

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Enhancements to OTDOA Positioning using advanced blanking methods

- **See status report**
  - activity is in RAN1
  - information provided to RAN2
  - See status report

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Release 6 Items under other WGs

- **One CR agreed on interference measurement in UpPTS for 1.28Mcps TDD, linked to RAN1 (in RP-040088 from RAN1)**

Conclusions

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Chairman's concluding remarks

- **Fewer R99 corrections**

- **HSDPA stable, few CRs**

- **MBMS has progressed a lot, most big architecture decisions have been taken, and work is now required to progress stage 3**

- **GERAN Iu completed (at last) in R5.**

- **RAN WG2 moving towards 4 meetings a year in 2004**
  - One bis meeting (on MBMS) organised for 20-22nd April in Budapest.

- **Future work should be mainly on:**
  - R99 corrections, MBMS, IMS support, Release 6 TEIs, and HSUPA alias Uplink Enhts

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

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