Status report of RAN WG2 to RAN #22

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RAN WG2 Chairman

RP-030584

Main activities since last RAN Plenary

- **Release 99 corrections**

- **Release 4 corrections**
  - Very few

- **Release 5**
  - Some HSDPA corrections, HSDPA test procedures and RBs
  - Some other R5 corrections
  - Introduction of a category B and C CR
  - Decision of GERAN Iu mode (last R5 item)

- **Release 6**
  - RAN2 and RAN3 progressing now in parallel, well synchronised
  - Many contributions on MBMS. Key progress on paging/notification
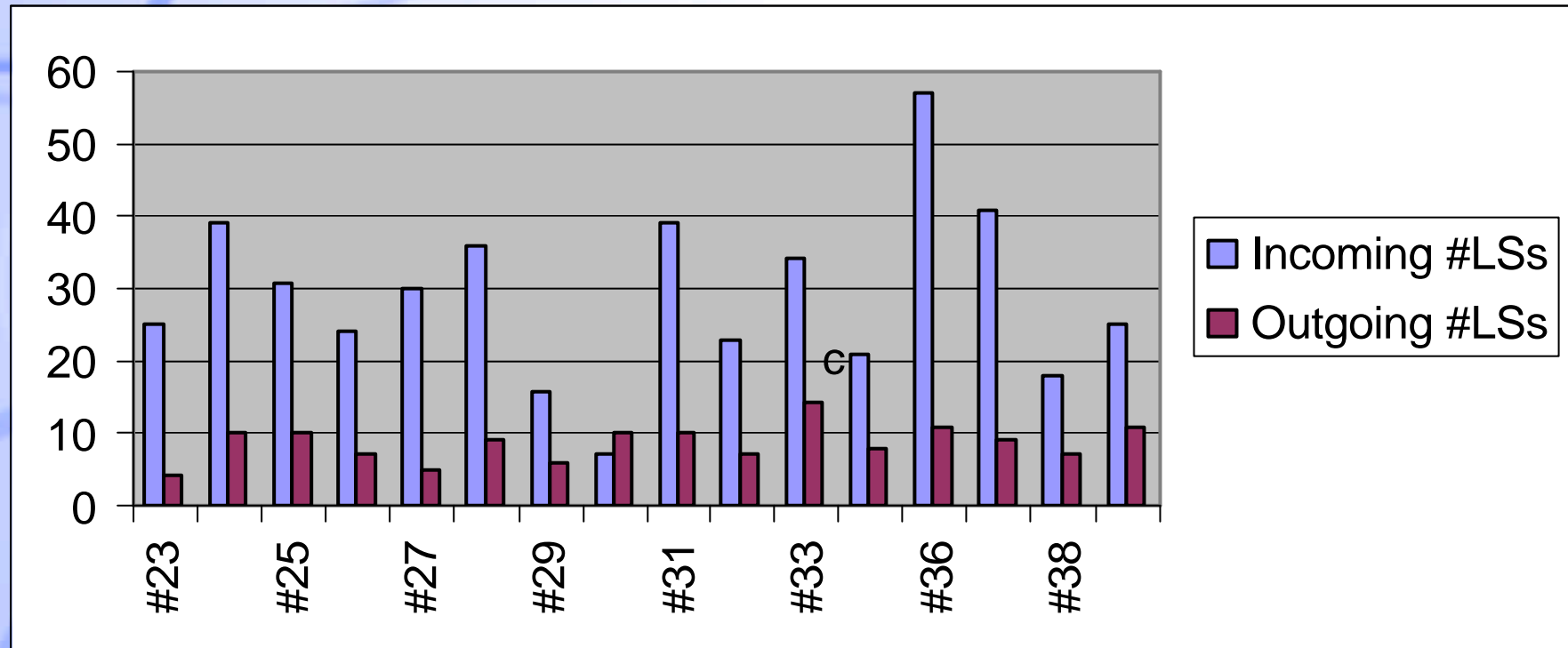 - Activitiy starting on IMS bearers, some TEIs.
  - New frequency bands

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RAN WG2 statistics
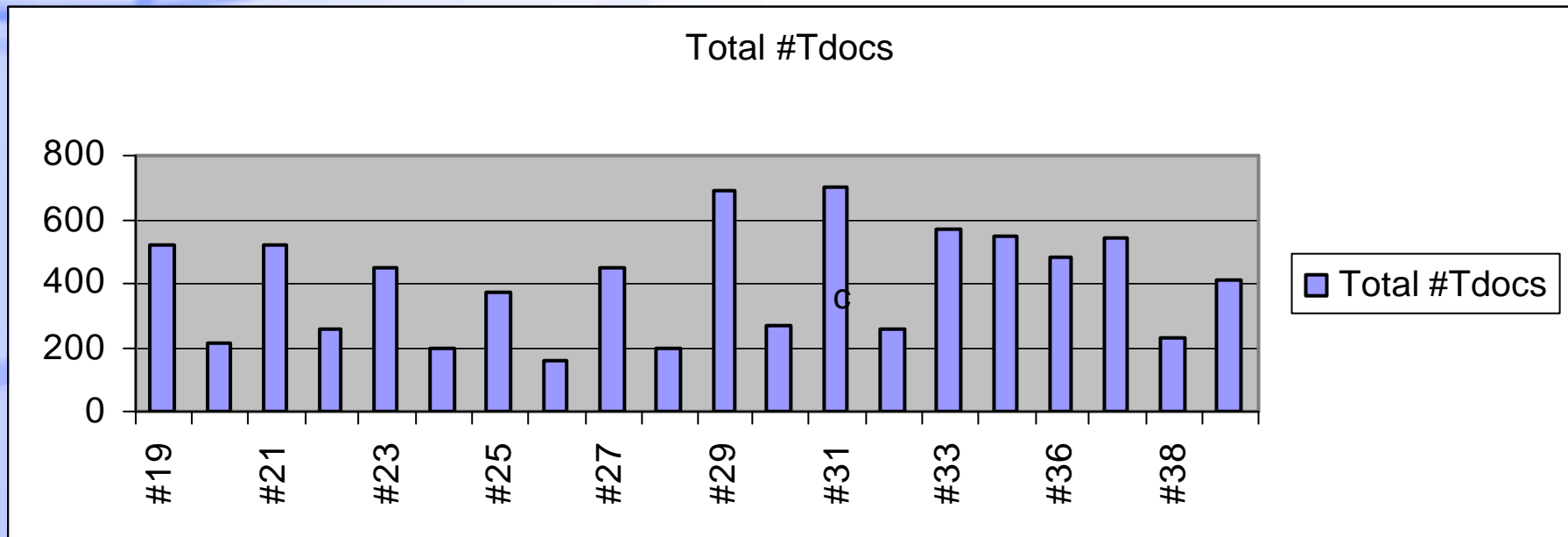
Meetings held since last RAN Plenary

- **RAN WG2 #38 in Oct 03, Sophia Antipolis**

- **RAN WG2 #39 in Nov 03, San Diego**

- **Joint meeting on MBMS**

Liaison statements In/Out

Total number of documents per meeting
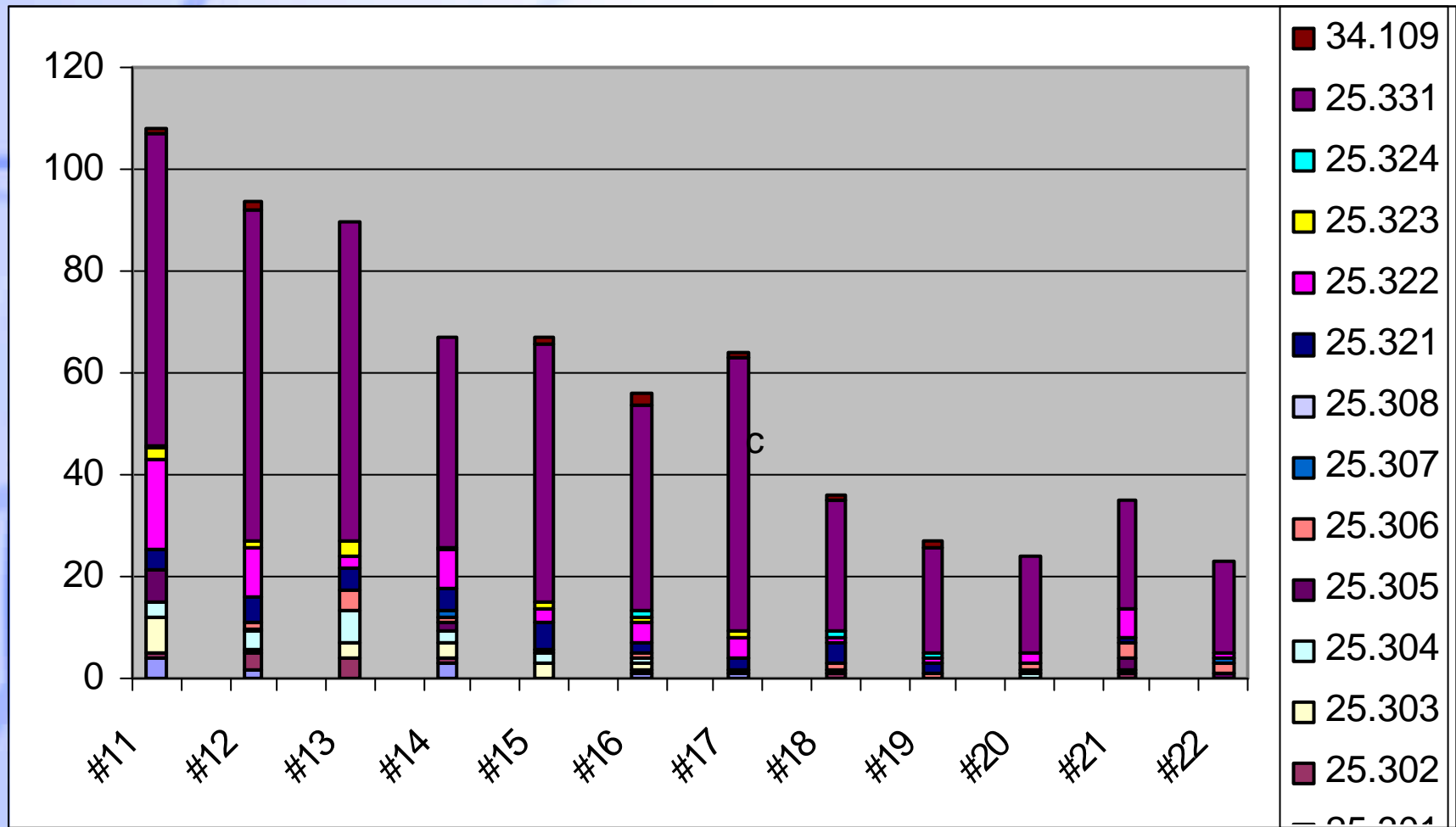

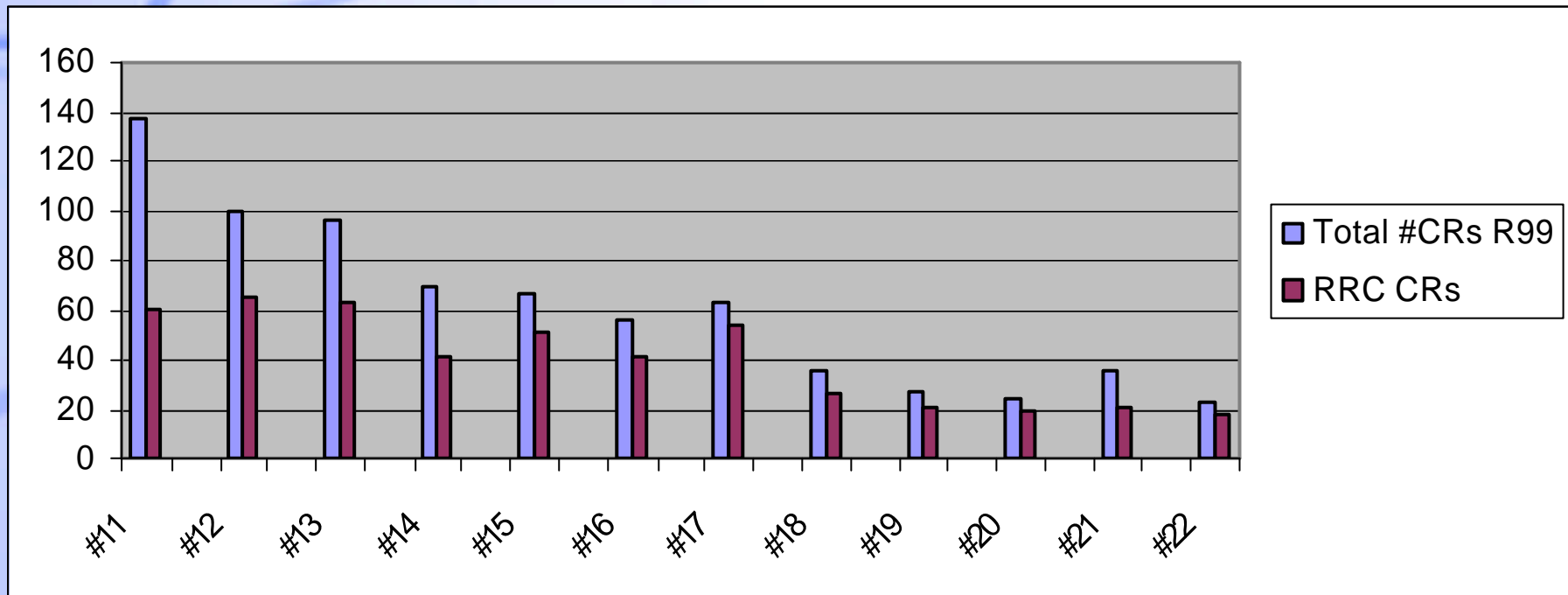Total #Tdocs

Release 99 activities

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Change Requests on R99 specifications

- **Refer to RP-030585 for complete list of RAN WG2 CRs**

Rel 99 Change Request statistics (1)

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Rel 99 Change Request statistics (2)

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PDCP/RLC/MAC/BMC

- **RLC**
  - 1 CR

- **MAC**
  - No CR

- **PDCP**
  - No CR

- **BMC**
  - No CR

Cell selection/re-selection

- **No CR**

Release independant frequency bands

- **CRs on UMTS800**

- **Regulatory requirement as expressed by RAN WG4 was taken into account**

- **CRs in RP-030630**

34.109

- **No CR**

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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

CRs for approval to RAN Plenary

- **List of agreed CRs in RP-030585**

CRs that need to be discussed

- **Technically endorsed CR in RP-030628**
  — Correction of UTRAN GPS Reference Time quality

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Release 4 activities

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Release 4 CRs

- **Number of corrections is low**

- **Refer to RP-030585 for complete list**

Release 5 activities

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Release 5 CRs

- **Very few corrections on HSDPA**
  - HSDPA is stable

- **GERAN Iu handover: agreement, CRs in GERAN2**

- **Category B CR**
  - RRM in PCH/FACH

- **Category C CR**
  - Enhancement of RRC transaction identifier for measurement control message

- **Some other corrections**

- **Refer to RP-030585 for complete list of CRs**

CRs that need to be discussed

- **CR which had to be reviewed in RAN1 in RP-030629**
  - — Default configuration for WB-AMR

- **CRs coming as a package**
  - — HARQ Memory Partioning, process identifiers and re-ordering in **RP-030644**

Freezing of Release 5

- **RAN WG2 proposes to freeze Release 5 in March 04**
  - All CRs should then have isolated impact
  - This will apply to ASN.1 but also to RRC procedures and HSDPA protocols (MAC-hs) and physical layer.
  - A review of Release 5 ASN1 was started by a group of companies

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Creation of Release 6

- **RP-030631 to create RRC Release 6**

HSDPA

- **Very few CRs**

- **HSDPA stable in RAN WG2**

- **Important agreement on procedure and description of HSDPA tests (jointly with RAN1); LS was sent to T1**

Small Technical Enhancements and Improvements for Rel-5

- **Cell re-selection (with Iurg) on UTRAN/GERAN Iu mode**
  - Reply received from GERAN
  - GERAN accepted to describe contentious messages in ASN.1
  - RAN2 accepted GERAN proposal, to be captured in GERAN RRC, and will write RAN2 CRs if needed

  - Issue should be considered closed ✎

Other

- **Signalling of DL TPC-bit Power Offset to UE**
  - — Still not clear what RAN1 is asking from RAN2

- **Call set-up delay reduction in GSM (compressed UE capability)**
  - — Still not clear in which release it will be (GERAN/CN1 dependancy)

- **USCH and HS-DSCH combination for TDD**
  - — CR was not agreed.

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**

- **Terminal power saving**

- **MIMO layer 2/3**

- **Enhancement of the support of network sharing in the UTRAN**

MBMS

- **A lot of work (2 full days in first meeting)**

- **Key agreement on paging/notification**

- **Still (fundamental) questions coming from SA2**

- **Stage 2 proposed to be presented in March 04 for approval**

- **See status report**

Radio Access Bearer support enhancement

- **Several contributions on IMS support on the radio**

- **Some Release 6 improvements proposed**
  — Proposals captured in TR

Enhancement of the support of network sharing in the UTRAN

- **Activity on hold until SA2 decisions**

Technical Enhancements and Improvements for Rel-6

- **Some first inputs**

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Feasibility Study under RAN WG2

- **none**

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Release 6 Items under other WGs

- **DS-CDMA Introduction in the 800 MHz Band (RAN WG4)**
    - RRC CRs written
    - Regulatory requirement of band selection also covered
    - CRs in RP-030630

Conclusions

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Chairman's concluding remarks

- **R99 is still an important part of RAN2 activity**

- **Resolving remaining R99 omissions takes time to find acceptable corrections not affecting current UE implementations**

- **HSDPA stable, few CRs, R5 TEIs completed.**

- **MBMS and IMS progressing well.**

- **RAN WG2 moving towards 6 meetings a year**
  - — 4 plenary, 2 preparatory meetings.

- **Future work should be mainly on:**
  - — R99 corrections, IMS support, MBMS, Release 6 TEIs

Release 99 is stable but requires experts for its maintenance

Please sustain efforts and keep experts active in RAN WG2

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