

TSG RAN WG1 #18 Jan. 15-18, 2001

Boston, USA

Source: TSG RAN WG1 Chairman

Tdoc R1-01-0067

Report from TSG RAN#10 From Bangkok

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IP Mobility Networks

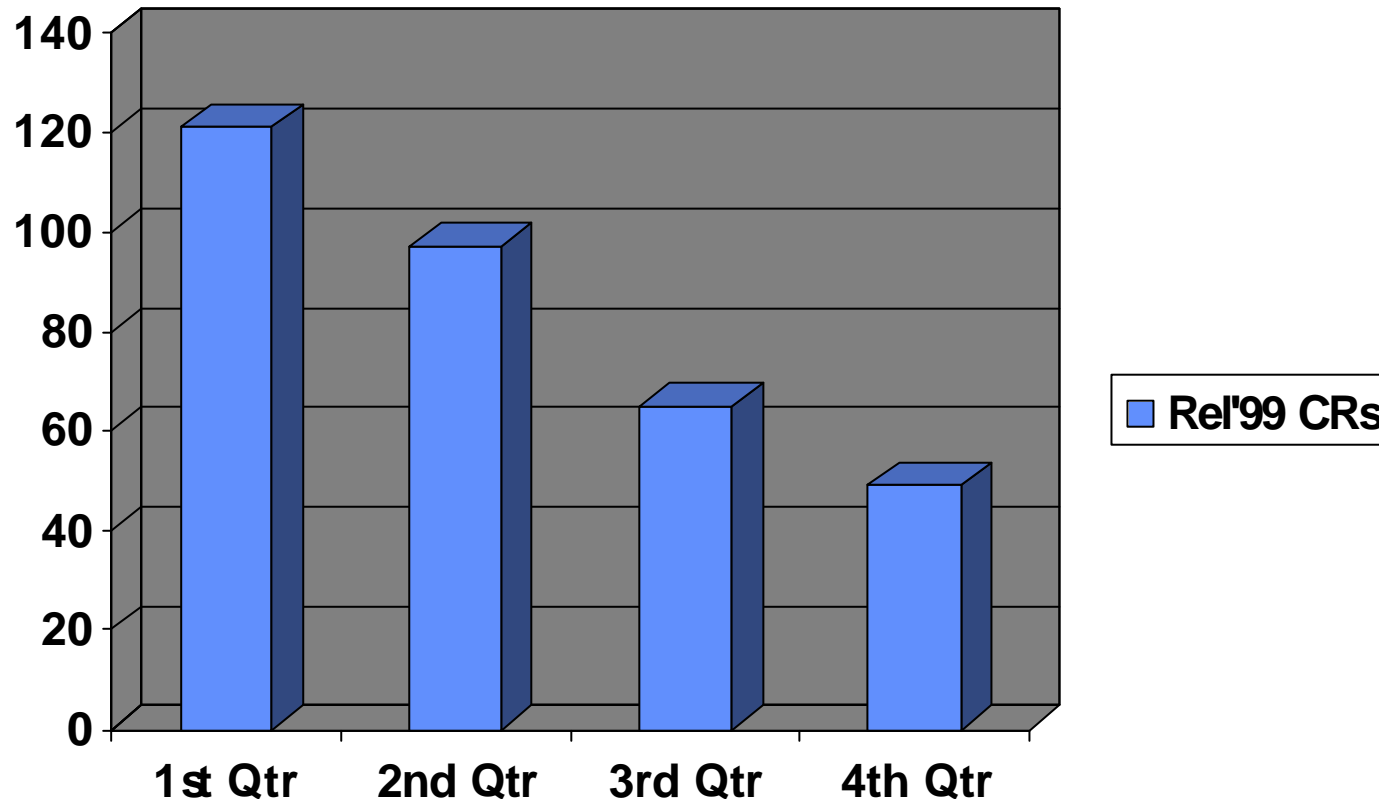
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ref: TSG RAN#10 Draft minutes in RP-01-0002

Release -99 (1)

- All Release '99 CRs WG1 presented were approved by TSG RAN TSG RAN WG1 Rel'99 CRs for TSG RAN approval year 2000



- 1st interleaver memory with the UE capabilities was reported to TSG RAN as open Release'99 item under discussion in WG1

Release -99 (2)

- **New Release'99 specification was created out of TR 25.926**
 - **TS 25.306 replaced TR 25.926, with the first version 3.0.0 as agreed in TSG RAN**
 - **Thus any UE capability issues (FDD or TDD) is to be reflected for TS 25.306.**
 - **The 1.28 Mcps TDD UE capabilities need to be reflected to this TS as well, the TR on 1.28 Mcps TDD UE capabilities is for 3GPP internal use only (as all 25.8xx series)**
- **The specification in general with most CRs was the TS 25.331 on the RRC (WG2) with 70 CRs presented**
- **The post meeting approval procedure by some WGs even on the week before the plenary was not well received by TSG RAN and should not be repeated**
 - **Two weeks in between WG and next TSG seems to be good rule to follow in the future as well (included in WG1 scheduling)**

Release -99 (3): (Annex D in TSG RAN minutes)
Principles for handling of Release '99 corrections in the TSG-RAN WGs

- Corrections shall be limited to those parts where there is something to correct. The need for correction shall not be used as a reason to do functional changes; unless there are compelling reasons, (i.e. if there is no other way to do the correction), agreed by consensus.
- ? When handling the correction, clear reasons shall be presented for the changes and these changes shall be documented in the CR cover sheet.
- ? If Ad Hocs etc. activities are used to solve problems, the changes agreed in the Ad Hoc need to be documented including the reasons why the change was necessary. The bigger the change, the more attention should be paid to the report etc. to improve the efficiency of the actual WG handling the CR and to ensure full visibility of the process for those not able to participate in the Ad Hoc.

DPCCH gating

- **(part of Terminal power saving features WI):**
- **The WG1 TR 25.840 was presented to TSG RAN as 2.0.0 (which according to the latest practise means for approval)**
 - **The milestone remained 03/01.**
 - **WG2 reported uncertainty whether they have conclusions/consensus on all the aspects of this feature for 03/01, WG1 TR stayed as 2.0.0**
 - **Impact of compressed mode (on the gains) was mentioned as one issue which WG1 could cover as well**

DSCH power control improvement in soft handover

- **TR 25.841 was presented and approved by TSG RAN**
 - **TR is now version 4.0.0 and under CR process if there is need for changes**
 - **WG3 has draft TR on this under preparation**

TDD Node B Synchronisation

- **TDD Node B synchronisation WI**
- **The TR 25.836 was presented for and approved by TSG RAN to 4.0.0**
- **The milestone was kept as 03/01**

Uplink Synchronous Transmission

- **WG1 indicated that study report will be delivered 03/01**
- **The milestone for the study report was kept was 03/01**

1.28 Mcps UTRA TDD

- **1.28 Mcps (Low Chip Rate) UTRA TDD Physical Layer**
- **Work has continued on the working CRs**
- **Issues to work with still as reported to TSG RAN**
 - 1: Uplink synchronization
 - 2. Handover measurements for GSM for data rates above 32 kbits/s
- **TDD status of co-existence studies were briefly discussed in TSG RAN**
- **"The TR was noted. TSG-RAN believes that this TR is nearly completed. However, the base station to base station interference scenario needs to be further analysed and solutions for interworking found. WG4 was tasked to do this work."**
- **WG1 requested to submit TR 25.928 for approval for RAN**

Smart Antennas

WI DELETED

HSDPA

- **There had been activity in WG1 only on this topic (since TSG RAN#9).**
- **WG2 expected to address the topic beginning of this week (Jan 15/16) in the meeting**
 - **Some input from WG2 could be expected for the current meeting**
 - **Thus agenda organized for this WG1 meeting to address issues not linked to WG2 directly, simulations, UE/Node B complexity first, and on day 3 the issues with more direct link**
- **Joint Ad Hoc between WG1 and WG2 was suggested by TSG RAN, this will be co-ordinated with TSG RAN WG2 chairman after the WG2 has addressed HSDPA during their current meeting**

Other Topics (1)

- **Hybrid ARQ**
 - **No activity reported, most likely to be covered as part of HSDPA**
- **Improved cell FACH state**
 - **No activity reported**
- **Positioning**
 - **WG1 chairman's understanding is that OTDOA-PE method is not for Release 4 time frame.**

TSG RAN/SA Level workshops agreed

- TSG RAN workshop UTRAN Evolution, Feb 5-6
 - "Based on the contributions presented in TSG RAN#10, TSG RAN felt that there is a need to organise a 2-day workshop discussing the UTRAN evolution beyond Release 4, i.e., on IP based UTRAN architecture, Iub, Iur, Iu and possible new internal UTRAN interfaces. The goal of the workshop is to identify requirements for the UTRAN evolution in co-operation with other groups that may have requirements or are otherwise linked to the UTRAN evolution. In addition, individual companies are invited to provide their vision of the UTRAN evolution."
- TSG SA workshop UE in idle mode, Feb 7-8
 - "The goal of the workshop is to review and address the following topics, both from a requirement and functional point of view:
 - ? PLMN selection
 - ? Cell selection and reselection

Creating CRs for Releases beyond Rel'99

- Two sets of agreed CRs are created – i.e. one per release - based on the current Release 99 version after the first meeting plus a list of the CRs including the section affected by each.
- Release 99 CRs shall not be duplicated for release 4. It shall be understood that when implementing release 4, all TSG approved CRs for release 99 shall also be implemented in the release 4 version.
- After the creation of release 4 version by the TSG, all release 99 CRs shall be provided with a release 4 companion CR (category A).
- When discussing or creating CRs for the second meeting delegates shall take into account the previously agreed CRs and creates the new ones avoiding duplication or when clash are appearing then they should propose a new version of the CR revising the previously agreed version. The new CRs shall be also based on the current Release 99 version.
- The creation of release 4 version shall take place after approval at TSG level of the first CR on release 4. Each WG shall assess which specifications and technical reports that shall be part of release 4 prior to the TSG #11 meeting.

Annex 1: High Speed Downlink Packet Access (HSDPA) work allocation to RAN WGs (as derived by WG2 last autumn)

- **RAN WG1:**

- ✍ **Adaptive Modulation and Coding**
- ✍ **H-ARQ - link performance of different schemes**
- ✍ **Frame size**
- ✍ **Reverse control channel - frame formats, need for multiple DPCH.**
- ✍ **Implications on mobile station requirements.**
- ✍ **Simulation assumptions for link and system simulations.**

- **RAN WG2:**

- ✍ **Protocol architecture.**
- ✍ **H-ARQ - protocol, messaging, etc.**
- ✍ **Fast cell selection.**

- ✍ **RAN WG4**

- ✍ **Implementation aspects of higher order modulation**

Annex 2: Revised TSG RAN Meeting schedule

- TSG RAN meetings in the future have 4 days, thus some more room for technical discussions possible - > this expected to happen on the topics with cross WG impacts.

Meeting	Date	Host	Location
RAN#11	13 - 16 March 2001	North American Friends of 3GPP	Palm Springs, CA, USA
RAN#12	12 - 15 June 2001	Ericsson	Stockholm, Sweden
RAN#13	18 - 21 September 2001	Lucent Technologies, CWTS	Beijing, China
RAN#14	11 - 14 December 2001	ARIB, TTC	Tokyo, Japan
RAN#15	05 - 08 March 2002	TTA	tbd, Korea
RAN#16	04 - 07 June 2002	Motorola	tbd, Europe
RAN#17	03 - 06 September 2002	Alcatel	tbd, France
RAN#18	03 - 06 December 2002	North American Friends of 3GPP	tbd, USA