



# TSG-RAN#11 Meeting Report to PCG

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NEC Networks



# General

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- ✍ New Officials are elected
  - ✍ Around 170 Participants
  - ✍ 279 Contributions
  - ✍ Release '99: 403 CRs handled;  
Also 1 TR approved
  - ✍ Release 4: 123 CRs handled;  
Also 2 TSs and 18 TRs approved
  - ✍ Full 4 days meeting
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# Release'99 status

- ✍ WG1 is rather stable
  - ✍ 42 (49) CRs
- ✍ WG2 is mainly working on R'99
  - ✍ 138 (137) CRs
- ✍ WG3 is getting stable
  - ✍ 139 (217) CRs
- ✍ WG4 fixed detailed parameters on R'99
  - ✍ 84 (67) CRs



# Release 4 approved WIs (1)

- ✍ UTRA FDD Repeater Specification
- ✍ RRM optimization for Iur and Iub
  - ✍ Some work tasks are approved
- ✍ PS-Domain Handover for real-time services
- ✍ RAB Quality of Service Negotiation/Renegotiation over Iu
  - ✍ All the work tasks under this BB are approved, including newly proposed one.



# Release 4 approved WIs (2)

- ✍ Evolution of the transport in the UTRAN
  - ✍ QoS optimization for AAL type 2 connections over Iub and Iur interfaces
  - ✍ Transport bearer modification procedure on Iub, Iur, and Iu
    - ✍ Other WIs under this category are left over to future releases
- ✍ Transcoder Free Operations in UTRAN



# Release4 Approved WIs (3)

- ✍ Radio access bearer support enhancement
  - ✍ Some independent work tasks are approved for Rel-4
- ✍ NodeB Synchronisation for TDD
- ✍ DSCH power control improvement in soft handover
  - ✍ Still some work tasks are remaining on this topic
- ✍ UE Positioning
  - ✍ Iub/Iur interfaces for UE positioning methods supported on the radio interface Release '99
  - ✍ UE positioning enhancements



# Release4 Approved WIs (4)

## ✍ UE Positioning

- ✍ Iub/Iur interfaces for UE positioning methods supported on the radio interface Release '99
- ✍ UE positioning enhancements
- ✍ Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning
  - ✍ This WI was newly proposed and agreed. WG2 already complete stage 2 work and this was approved as Rel-4. Stage 3 work will be for Rel-5



# Release4 Approved WIs (5)

## ✍ Low chip rate TDD

- ✍ Low Chip Rate TDD Physical Layer
- ✍ Low chip rate TDD layer 2 and layer 3 protocol aspects
- ✍ Low Chip Rate TDD UE radio access Capability
- ✍ Low chip rate TDD UTRAN network Iub/Iur protocol aspects
- ✍ Low chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing





# WIs left over for future releases

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- ✍ FDD Base station classification (RAN#13)
  - ✍ TDD Base station classification (RAN#12)
  - ✍ UMTS 1800 ( RAN#12 (to be reviewed))
  - ✍ RRM optimizations for Iur and Iub ( One WT remaining to be completed)
  - ✍ IP Transport in UTRAN
  - ✍ Improved usage of downlink resource in FDD for CCTrCHs of dedicated type
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# WIs left over for future releases

- ✍ Radio access bearer support enhancement ( Some WT are remaining )
- ✍ Terminal power saving features ( The name was changed to “Gated DPCCH Transmission “(RAN#13)
- ✍ Improvement of inter-frequency and inter-system measurements
- ✍ Hybrid ARQ



# New Work Items

- ✍ Enhancement on the DSCH hard split mode
- ✍ Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN
- ✍ Traffic Termination Point Swapping
- ✍ Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel-4 positioning methods
- ✍ UE positioning enhancements for 1.28 Mcps TDD
- ✍ UMTS 1900
- ✍ RL Timing Adjustment



# New Work Items

- ✍ Separation of resource reservation and radio link activation
- ✍ Node B Synchronisation for 1.28 Mcps TDD
- ✍ HSDPA
  - ✍ Among technologies discussed under this topic, MIMO and Fast Cell Selection will be discussed separately.
  - ✍ WI was created toward Release 5
- ✍ MIMO (RAN#15)



# New Study Items

- ✍ Mitigating the Effect of CPICH Interference at the UE (RAN#13)
- ✍ Improvement of RRM across RNS and RNS/PSS (RAN#13)
- ✍ Fast Cell Selection (FCS) for HS-DSCH (RAN#14)
- ✍ Proposal to introduce the SIR measurement ( Principle agreed )



# Relationship with Outside of 3GPP

- ✍ EP BRAN: Hiperaccess application will be discussed with WG3 on Iub, (Iur)
- ✍ ITU-R: To be handled by ITU Ad Hoc
- ✍ ITU-T: Questions received
  - ✍ RAN considers that it is better to be discussed in SA, since it is not only radio matter
- ✍ IETF: IP header compression completed
  - ✍ Test specs needs to be considered by T1



# Items to be highlighted

- ✍ Regional requirements on Test Tolerances
  - ✍ A CR was approved to include Japanese regulation on measurement uncertainty
  - ✍ There was a question on the PCG guidance about handling tentative regulatory requirement
- ✍ Operating Frequency Band as a Release independent work item (SP-010173 )
  - ✍ This policy was agreed within TSG RAN
- ✍ Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN (WI for Release 5 )
  - ✍ RAN request guidance on the relationship with other TSG ( SA1 )



# ITU Ad Hoc

- ✍ Nicola Magnani volunteered to continue ITU Ad Hoc contact person and agreed
- ✍ Procedure on IMT2000 update was proposed by ITU Ad Hoc and agreed





# MCC staff workload

- ✍ Still, workload for MCC staff is very high, especially for WG2, WG3
- ✍ RAN staffs are concerned about handling two versions
- ✍ ARIB offered some support as short term solution.
  - ✍ Activity is ongoing, working well.
  - ✍ ARIB plans to continue support



# TSG-RAN New Officials

	Chair	Vice	Vice	Secretary
Plenary	Francois Courau	Don Zelmer	Eisuke Fukuda	Hans van der Veen
WG1	Antti Toskala	Masafumi Usuda	Hyoen Woo Lee	Shinobu Ikeda
WG2	Denis Fauconnier	Francesco Grilli		Hans van der Veen
WG3	Martin Israelsson	Jim Miller	Chenghock Ng	Carolyn Taylor
WG4	Howard Benn	Takaharu Nakamura		Cesar Gutierrez Miguelez



I enjoyed past two years  
Thank you !