TSG-RAN Working Group 3 meeting #16   TSGR3#16(00)2876
Windsor, UK, 16-20 October, 2000

SOURCE: TSG RAN WG3

**TITLE: LS ON THE STUDY/WORK ITEMS WITH RAN WG3 HAVING THE PRIMARY
              RESPONSIBILITY AND PROGRESS OF OTHER ITEMS**

TO: TSG RAN WG1, TSG RAN WG2, TSG RAN WG4

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TSG RAN WG3 would like to provide information of the progress of the Rel4/5 study/work items with
WG3 having the primary responsibility.
And also TSG RAN WG3 would like to provides information of the status of other Rel4/5 study/work
item, which is affectting our specification, lead by other groups.

For the following indicated items RAN WG3 has been studing the solution for Rel4/5. RAN WG3 would
like the other RAN WGs to take necessary actions around the topics when impacts to their
specifications are necessary.

1. Work items which are lead by WG3

  1)   IP transport in UTRAN(Rel 4)

      WG3 has been studying Requirements part and Study Areas. To have more time to
      discuss, WG3 had one Adhoc in Sep/00 and will have one more adhoc in Nov/00. There
      are several proposed solutions(CIP, LIPE, PPP-MUX, MPLS) in Chap6 Study Area of
      TR. To inlcude Simulation model, WG3 decides to create an Annex in TR. TR is
      available(TR 25.933 v0.2.2). TR v.0.3.0 will be available soon, including the
      modifications which were made at WG3 #16.

  2)   QoS optimization for AAL type 2 connections over Iub and Iur interfaces (Rel 4)

      WG3 has been studying the bandwidth optimisation of AAL2 connections in UTRAN. Path
      selection feature of AAL2 signalling Capability Set 2(Q.2630.2) has been identified as
      the standardised solution to obtain more optimised utilisation of AAL2 bandwidth. TR is
      available(TR 25.934 v0.2.0)

  3)   PS-Domain handover for real-time services (Rel 4)

      WG3 has been discussing description on two alternative solutions (CN Bi-casting & Reuse
      of release 99 Packet Duplication mechanism). After finalising the description, WG3 will
      analyse the differences between the solutions. There are no agreements on what to present
      in this area. TR is available (TR 25.936 v0.1.0). The completion of the TR is targeted on
      January 01. The plan is to submit the TR to S2 for final decision on one selected solution.

  4)   RAB Quality of Service Negotiation/Renegotiation over Iu (Rel 4)

      WG3 has identified different alternative solutions for QoS Negotiation. There are some
      system wide aspects that cause a lot of discussion e.g. where the information that QoS
      negotiation is based on will be received. Few alternative ways on handling the Iu part are
      being discussed, and the target is to select one proposed method. TR is available (TR
      25.946 v0.1.0). The QoS renegotiation part has not been discussed yet.

  5)   RRM optimizations for Iur and Iub (Rel 4)

TR was notified in RAN #9 and WG3 hasn't had further discussion yet. TR is available(TR 25.935 v0.1.0)

6) Low chip rate TDD UTRAN network Iub/Iur protocol aspects (Rel 4)

TR (TR 25.937 v0.1.1) was notified in RAN #9 for information and this version will be approved as v.0.2.0 at WG3#16.

At WG3#16, additional material for inclusion in TR 25.937 has been approved, and the basic principles for backward-compatible addition of low-chip-rate TDD Information Element options in the WG3 specifications for Release 4 have been discussed.

7) Transcoder Free Operations in UTRAN (Rel 4)

WG3 had joint meeting during its WG3#16 meeting with TrFO/TFO Joint Work Shop. A number of identified issues have been solved, and have been reported in meeting reports. TR hasn't been started.

2. Work items which are lead by WG1

1) Node B synchronisation for TDD (Rel 4)

TR (TR 25.838 v0.1.0) was notified in RAN #9.

2) Terminal power saving features (Rel 4)

WG3 has discussed Gating transmission as one solution of this WI and it is included in TR (TR 25.938 v0.1.0). First TR was notified in RAN #9.

3) DSCH power control improvement in soft handover (Rel 4)

TR25.842(WG1 TR) has been introduced in WG3#16. WG3 has agreed with the need to create its own TR to investigate more about this issue. TR is not available yet.

4) USTS (Rel 4)

TR was notified in RAN #9 and WG3 hasn't had further discussion yet. TR is available (TR 25.839 v0.1.0) is available.

3. Work items which are lead by WG2

1) Iub/Iur interfaces for UE positioning methods supported on the radio interface release 99(Rel 4)

WG3 has discussed "Iub/Iur protocol aspects of OTDOA-IPDL method" and agreed to initialte email discussion. WG3 has agreed with the structure of TR which covers both FDD & TDD and it will be available by email reflector.

2) Hybrid ARQ II/III(Rel 5)

TR (TR 25.837 v0.1.0) was notified in RAN #9 and WG3 hasn't had further discussion yet.

WG3 hasn't been able to discuss other topics except the items which are listed above. RAN WG3 would like to provide further information on topics where the progresses are significant.