TSG-RAN Working Group 1 meeting #16
Pusan, Korea
10 – 13 October, 2000

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Agenda item:

Source: Siemens

Title: Draft LS to WG3 on Radio Link Initialisation

Document for: Decision

RAN1 would like to request the assistance of RAN3 in clarifying a matter of layer 1 behaviour which occurs at the prompting of NBAP operations. The behaviour is described in section 8.2.17.2 of TS 25.433 v3.2.0 and is FDD specific.

?? RAN1 would like to understand the benefit of the functionality. It would seem to be a mechanism to slowly 'drift' UE transmit power upwards prior to control loop closure, however RAN1 would be grateful for RAN3 clarification.

?? RAN1 notes that this wording explicitly specifies layer 1 behaviour and believes that users of the 3GPP specification set should be able to find a complete specification of the physical layer of the Uu interface in the WG1 specifications. RAN1 is currently specifying several aspects of radio link initialisation, including initial operation of the power control algorithms and TPC generation. To achieve this RAN1 is considering enhancing TS 25.214, Physical layer procedures (FDD). Such enhancement would allow removal of direct specification of the FDD physical layer specific TPC generation from the NBAP specification.

RAN1 asks RAN3 to describe the benefit of this TPC bit forcing function. RAN1 also asks RAN3 to consider specifying the invocation of this procedure by reference to the FDD physical layer procedures document.

Section 8.2.17.2 of TS25.433 v3.2.0:

"[FDD - The First RLS Indicator IE indicates if the concerning RL shall be considered part of the first RLS established towards this UE. If the First RLS indicator IE is set to "first RLS", the Node B shall use a TPC pattern of n "01" + "1" in the DL of the concerning RL and all RLs which are part of the same RLS, until UL synchronisation is achieved on the Uu. The parameter n shall be set equal to the value received in the DL TPC pattern 01 count IE in the Cell Setup procedure. The TPC pattern shall continuously be repeated but shall be restarted at the beginning of every frame with CFNmod4=0. For all other RLs, the Node B shall use a TPC pattern of all "1"'s in the DL until UL synchronisation is achieved on the Uu.]"*