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Title: LS from R3 to R1: Timeslot ISCP for TDD Node B downlink power control

Source: TSG-RAN WG3

To: TSG-RAN WG1

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At R3#15, the forwarding of the “*Downlink Timeslot ISCP IE*” from SRNC to Node B was addressed in R3-002053, R2-002054, and R3-002055. The purpose was to define the forwarding of this measurement value in a consistent way, and to bring the WG3 specs in line with the WG1 specification TS 25.224 which specifies (in chapter 4.2.3.3): “The UTRAN may apply an individual offset to the transmission power in each timeslot according to the downlink interference level at the UE.”

The change was proposed as a correction for Release 99.

It was understood that the SRNC receives this measurement value from the UE according to a measurement plan, and the SRNC is supposed to forward it to the Node B, possibly via the DRNC (if the Iur interface is involved in the connection to the respective UE). The contributions did not indicate how the Node B should use the measurement value “Timeslot ISCP”. This raised some questions in WG3, because it is felt that due to that uncertainty about the Node B behaviour, the applicability of the procedure of Timeslot ISCP measurement and forwarding to Node B is limited for the SRNC.

WG3 would like to ask WG1 to comment on these questions. These are as follows.

- 1) Does WG1 regard the inclusion of this functionality as important for Rel. 99?
- 2) Can WG1 specify how often this Downlink Timeslot ISCP must be available to the Node B to be effective?
Background: In WG3 view, the SRNC needs to know what kind of measurement plan it must establish, and how often this measurement result is required in the Node B.
- 3) Can WG1 specify how the Node B shall use the Downlink Timeslot ISCP IE?
Background: The SRNC, when giving the measured Downlink Timeslot ISCP IE to the DRNS or Node B, should be sure that this has a positive effect on the link quality and on the capacity of the respective cell.