TSG-RAN Working Group 1 meeting No. 7bis *TSGR1#7bis(99)e82*
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Agenda Item: **3**

Source: **Philips**

Title: **Text Changes for 25.214**

Document for: **Decision**

Proposed Text Changes:

5.2 Downlink power control
Remove sections 5.2.1 and 5.2.2 and add the following:
"The transmit power of the downlink channels is determined by the network. In general the ratio of the transmit power between different downlink channels is not specified and may change with time."

5.1.2.2.2.3 Combining of TPC commands not known to be the same
In incorporating the approved text proposal Tdoc d55 into 25.214, one part was missed. This can be included by changing the text from:

> "In general in case of soft handover, the TPC commands transmitted in the different cells may be different.
> This subclause describes the general scheme for combination of the TPC commands known to be different and then provides an example of such scheme."

To:

> "In general in case of soft handover, the TPC commands transmitted in the same slot in the different cells may be different.
> This subclause describes the general scheme for combination of the TPC commands not known to be the same and then provides an example of such a scheme."

6.1 RACH
Change "sub RACH channels" to "RACH sub-channels" (editorial)

Caption to Table 6 should clarified and be changed to "The available access slots for different RACH sub-channels" (editorial)

Study/Open Items:

It may be desirable to add a new procedure for PICH detection (which would be relevant in definition of a performance test). This procedure could make use of power of PICH broadcast on BCH to set a detection threshold.

5.2.3.1 General
PO1, PO2, PO3 should be removed, since these parameters are not quantified.

5.2.3.5.7.1 Management of multiple transmission power levels
Assuming that behaviour of network is not specified, this text would be informative and could be moved to an Annex.

5.2.3.5.7.2 Power setting of the downlink dedicated physical channel
Assuming that behaviour of network is not specified, this text would be informative and could be moved to an Annex.

6.1 RACH
This procedure needs to be kept consistent with WG2 specifications.
Different dynamic persistence values for different access classes may be beneficial to allow independent load regulation.
Random functions are TBD (presumably drawing from a set of integers is sufficient).
Is Preamble_Retrans_max fixed or variable? If variable, is it broadcast on BCH?
In step 8 it may be better to start again from step 1, to allow better load control.

6.2 CPCH Access procedure
This procedure needs to be consistent with WG2 specifications, and also harmonized as far as possible with RACH access procedure
The following may need to be specified: Scrambling codes, Channelization codes, Signatures to be used, Mappings between signatures, bit rates and channelization codes
DPCCH DL channelization code could have SF 256 or 512. 512 would minimise code use, but 256 would allow more DL signalling capacity.

Algorithm for new slot selection is not defined
Power level for power control preamble part is not defined
Power level for message part is not defined
Are power steps and levels the same as for RACH?
Delta P1 is not used (since access is aborted after NACK on AICH)
Is any signalling to be supported on downlink DPCCH? If not, downlink signalling might be sent on FACH or using TFCI.

7.2 Rapid Initialization of DCH for Packet Data Transfer
How does the UE know whether a DCH is to be used for Packet Data Transfer?
For example, are these procedures associated with particular types of radio bearer? If so, perhaps there should be a reference the relevant part of Layer 2 specifications.