

To: TSG RAN WG2
Source: Ericsson, Siemens
Title: Draft answer on LS on paging occasions
Document for: Decision

RAN WG1 has discussed the LS on paging occasions received from WG2 [2], and would here like to provide our comments.

For FDD, in order to save power it is advantageous to have a sliding **paging monitor occasion** within the frame. With this structure it is possible to perform measurements on other cells simultaneously as paging is received. Since it might be necessary to use more than one slot of pilot symbols to get the estimate of the channel impulse response for demodulating paging signal, it is very likely that a UE will stay awake for more than one time slot when it wakes up. Therefore the sliding can e.g. be 16 symbols every paging occasion. Without this sliding the measurements and the reading of the paging indicator must be performed independently, and the standby time of a UE will suffer.

For TDD, sliding the paging monitor occasion within the frame is of course not feasible. However, also for TDD WG1 sees no drawback if the value of paging monitor occasion varies in a well defined manner.

WG1 therefore prefers calculating the value of paging monitor occasion in such a way, that for FDD this corresponds to sliding the paging monitor occasion over the frame.

References

- [1] TSGR1#7(99)d15, Paging channel configuration for improving the UE standby time in FDD
- [2] TSGR2#6(99)995, LS on paging occasions