

**TSG-RAN Working Group 1 meeting No. 18
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Source : TSG RAN WG1
Title: LS on revision of TR 25.840 v2.1.0 on Terminal Power Saving Features
To: TSG RAN WG2, TSG RAN WG3, TSG RAN WG4
Contact person: LEE, JuHo
juholee@samsung.com

During TSG RAN WG1#18 meeting in Boston, USA, TSG RAN WG1 approved revision of the TR25.840 as version 2.1.0 on Terminal Power Saving Features.

The changes from previous version (TR 25.840 v20.0) are:

- Include outer loop power control based on CRC attached to zero length transport block.
- Terminology is refined for the better understanding of the TR.
 - ~~///~~ Common terminology “gating” is used as the abbreviation of “gated DPCH transmission”.
 - ~~///~~ Instead of “normal gating period” and “embedded DPCH period”, “basic gating period” and “embedded data period” are used, respectively.
- Include some clarifications based on the comments raised during RAN1#18 as follows:
 - ~~///~~ Assumptions under which UE battery life enhancement calculation was performed
 - ~~///~~ Detection of DPCH frame during gating
 - ~~///~~ Impact of gating on STTD
 - ~~///~~ Interaction between gating and compressed mode
 - ~~///~~ Interaction between gating and SSDD
- Among the power control parameters, recovery period is removed by virtue of outer loop power control during gating.
- Impact to WGs are revised
 - ~~///~~ Regarding the impact to WG1 specifications, TS 25.212 and TS 25.215 are added.
 - ~~///~~ Regarding the impact to WG3 specifications, WG3 TR 25.938 is referenced
 - ~~///~~ Regarding the impact to WG4 specifications, TS 25.133 is added.
- Reference and history sections were corrected according to the comments.
- Other minor editorial corrections have been made.

TSG RAN WG1 kindly requests TSG RAN WG2, TSG RAN WG3, and TSG RAN WG4 to discuss on the work item “Terminal Power Saving Features” based on the attached TR 25.840 v2.1.0 to continue relevant works.

<Attachment> R1-01-0179 “TR 25.840 v2.1.0: Terminal Power Saving Features”



"R1-01-0179
Revision of TR 25{