Source :	**Samsung**
Title:	**Draft 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**
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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 v2.0.0) 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 DPCCH transmission".
  - Instead of "normal gating period" and "embedded DPDCH 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 DPDCH frame during gating
  - Impact of gating on STTD
  - Interaction between gating and compressed mode
  - Interaction between gating and SSDT
- 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.
- Include the results showing the impact of compressed mode on battery life enhancement
- Include the comments on the implementation dependency of UE battery life enhancement
- 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-xxxx "TR 25.840 v2.1.0: Terminal Power Saving Features"