**3GPP TSG RAN WG1 #116 R1-2401753**

**Athens, Greece, February 26th – March 1st, 2024**

**Title:** [Draft] LS on Network Energy Savings

**Response to:**

**Release:** Release 18

**Work Item:** Netw\_Energy\_NR-Core

**Source:** Moderator (Intel Corporation, Huawei)

**To:** RAN2

**Cc:**

**Contact person:** Daewon Lee < daewon.lee (at) intel.com >

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**Attachments:** none

# 1 Overall description

RAN1 has discussed the topic of network energy savings and would like to inform RAN2 of following.

* RAN1 agrees to introduce a new RRC parameter *cellDTXDRX-L1activation*
  + Description for parameter: Configure L1 signaling based on DCI 2\_9 to enable dynamic activation/deactivation of cell DTX/DRX configuration per serving cell. Note: cellDTXDRX-L1activation can be configured individually per cell for subset of serving cells.
  + Signaling to be provided per serving cell.

RAN1 would also like to ask RAN2 to consider capturing the following RAN1 agreements on handling of transmission and reception of channels during cell DTX/DRX operation in appropriate RAN2 specifications.

* From RAN1 #115
  + UE transmits a subset of the repetitions in a CG bundle that do not overlap with the cell DRX non-active period.
* From RAN1 #116
  + UE transmit a subset of the repetitions of a PUCCH with SR and/or P/SP-CSI that do not overlap with the cell DRX non-active period.
  + UE receives a subset of the repetitions of a SPS PDSCH that do not overlap with the cell DTX non-active period.

RAN1 respectfully asks RAN2 to consider the above in the specification development of Rel-18 network energy savings.

# 2 Actions

**To RAN2**

**ACTION:** RAN1 respectfully asks RAN2 to consider the above in the specification development of Rel-18 network energy savings.

# 3 Dates of next TSG RAN WG1 meetings

TSG RAN WG1 Meeting #116-bis 15th – 16th April 2024 Changsha, China

TSG RAN WG1 Meeting #117 20th – 24th May 2024 Fukuoka, Japan