**3GPP TSG-RAN WG3 #124 R3-24xxxx**

**Orlando, Florida, USA, 18th – 22nd November 2024**

**Title:** [Draft] LS on energy saving for split gNB

**Response to:**

**Release:** Rel-19

**Work Item:** NR\_AIML\_NGRAN\_enh-Core

**Source:** CATT [To be RAN3]

**To:** SA5

**Cc:**

**Contact Person:**

**Name:** LIU Aijuan

**E-mail Address:** liuaijuan (at) catt (dot) cn

**1. Overall Description:**

RAN3 has discussed AI/ML based Energy saving for split gNB and has reached the following conclusions:

* The Energy Cost of a split gNB is the sum of the Energy Cost of its gNB-DUs.
* In a split gNB, a mapping rule to support Energy Cost Mapping when Energy Cost Reporting is supported is only configured at the gNB-DU and the mapping rule shall be unified for all the gNB-DUs within a defined area. By means of the mapping rule, the gNB-DU derives the Energy Cost and reports it to the gNB-CU.

**2. Actions:**

**To SA5:**

**ACTION:** RAN3 respectfully asks SA5 to take the above agreements into account and update their specification accordingly by enabling configuration of the mapping rule to support Energy Cost Mapping when Energy Cost Reporting at the gNB-DU.

**3. Date of Next TSG-RAN3 Meetings:**

TSG-RAN3 Meeting #127 17th – 21st February 2025 Athens, Greece

TSG-RAN3 Meeting #127-bis 07th – 11th April 2024 TBD, China