TSG-SA WG2 Meeting #166 S2-241xxxx

18 - 22 Nov. 2024, Orlando, FL, US

**Source: Samsung, Lenovo (Rapporteurs)**

**Title: Rel-19 Work Item Exception for EnergySys**

**Document for: Approval**

**Agenda Item: 30.9**

3GPP™ Work Item Exception

# Title : 5GS Enhancement for Energy Efficiency and Energy Saving

## Acronym : EnergySys

## Unique Identifier : 1050112

**Release 19 Submission form**

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| --- | --- |
| **Feature / Item:** | **5GS Enhancement for Energy Efficiency and Energy Saving** |
| **Affects:** | **UICC apps:** | **ME:** | **AN:****X** | **CN:****X** | **Others (specify):** |
| **Expected Completion Date:** | SA#106 (December 2024) |
| **Service(s) impacted:** | Control of energy efficiency and energy saving in the network |
| **Specification(s) affected:** | TS 23.501, TS 23.502, TS 23.503 |
| **Task(s) within work which are not complete:** | WT #1: Whether and how the per AF level energy consumption information can be exposed are FFS.WT #2: Whether notification from the EIF needs to be provided to the PCF is FFS.WT #3: Additional parameters in the NF profile (i.e., Energy Efficiency, Energy Saving Status) on top of Energy priority information is FFS.  |
| **Consequences if not included in Release ZZ:** | Feature may not be specified completely. |

**Abstract of document:**

Exception sheet for Rel-19 Work Item "5GS Enhancement for Energy Efficiency and Energy Saving"

**Contentious Issues:**

WT #2 has the following objective documented in the WID:

- WT #2. The objective of this WT is to specify the enhancements for subscription and policy control to enable network energy savings as service criteria based in WT#1. The following enhancements will be specified:

- The definition of energy saving subscription information per UE that is stored as part of the subscription data in the UDM/UDR, to assist the network to perform energy saving strategies for the UE

- The detailed procedures for the PCF to receive UE subscription data and notification related to the energy related information to trigger making policy decisions (reusing the existing parameters)

WT#2 has completed the sub-task on the definition of energy saving subscription information per UE (1st sub-bullet above), and could not finish the other sub-task on the detailed procedures for the PCF to receive UE subscription data and notification related to the energy related information (2nd sub-bullet). More specifically, whether notification from the EIF in addition to the Energy Saving Indication in the UE Subscription Data can be provided to the PCF and used for policy decision by the PCF could not find consensus.