**3GPP TSG-SA5 Meeting #132e *S5-204256rev1***

**e-meeting 17th 28th August 2020** (revision of xx-yyxxxx)

**Source: Huawei**

**Title: pCR 28.813 Add measurement assumption for energy consumption**

**Document for: Approval**

**Agenda Item: 6.6.5**

# 1 Decision/action requested

***The group is asked to approve the proposal.***

# 2 References

[1] 3GPP TR 28.813

# 3 Rationale

# 4 Detailed proposal

This contribution proposes to make the following changes in [1].

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| **1st Change** |

## 4.2 Key Issue #2: EE KPI for 5GC

### 4.2.1 Description

TS 28.554 [5] – clause 6.7 (Energy Efficiency (EE) KPI) contains so far one single KPI definition: NG-RAN data Energy Efficiency (EE) (cf. clause 6.7.1). A corresponding EE KPI is missing for 5GC.

This potential solution proposes to apply the generic EE KPI (see clause 5.3 of ETSI ES 203 228 [6]):



to the 5GC, leading to the definition of a new EE KPI:



Depending on the solution, new measurements may have to be defined in TS 28.552 [4].

New 5GC energy consumption measurement assumptions may be needed. The 5GC features of energy consumption can be categorised into computing consumption features and traffic consumption features. The examples of computing consumption features are: connection management, session management, name resolution etc. The example of traffic consumption features are: CIoT, UL CL/BP etc.

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| **End of changes** |