3GPP TSG-WG SA Meeting #93 e-meeting *SP-211106rev2-Samsung*

September 14-20, 2021

Title: [DRAFT] On Sustainability and Energy Efficiency

Source: SA

To: TSG RAN, TSG CT, TSG SA WG1, TSG SA WG2, TSG SA WG3, TSG SA WG4, TSG SA WG5, TSG SA WG6, TSG RAN WG1, TSG RAN WG2, TSG RAN WG3, TSG RAN WG4, TSG RAN WG5, TSG CT WG1, TSG CT WG3, TSG CT WG4, TSG CT WG6

Cc:

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Attachments:

# 1 Overall description

3GPP SA has decided that there is a need to start considering Energy Efficiency as a guiding principle for the 3GPP system specification efforts, in addition to any already ongoing work on specific aspects such as e.g. use cases and solutions for Energy Saving. Therefore, 3GPP SA proposes that:

1. When developing technical solutions starting from the study phase to the final normative text, the energy efficiency of the solutions is an important quality criterion.
2. During the study phase, working groups should assess the candidate solutions by also taking energy efficiency into account.

For example, if two candidate solutions meet same system level requirements (i.e. the standing 3GPP system level requirements including scalability, complexity, latency, roaming support, security, privacy, operability including service authorization/revocation, network sharing support etc.), performance targets and feature requirements, the one that consumes less energy for the same task ought to be selected. Each WG shall decide the most appropriate (and practical) way to address this when this becomes the main decision point among candidate solutions.

This guidance complements any other work specifically dedicated to Energy efficiency that a WG or TSG undertakes, which remains strongly encouraged by TSG SA.

# 2 Actions

**To: TSG RAN, TSG CT, TSG SA WG1, TSG SA WG2, TSG SA WG3, TSG SA WG4, TSG SA WG5, TSG SA WG6, TSG RAN WG1, TSG RAN WG2, TSG RAN WG3, TSG RAN WG4, TSG RAN WG5, TSG CT WG1, TSG CT WG3, TSG CT WG4, TSG CT WG6**

**ACTION: 3GPP SA kindly requests to take the above principles into consideration for their work going forward.**

# 3 Dates of next TSG SA meetings

[CALENDAR OF FUTURE 3GPP SA MEETINGS](https://portal.3gpp.org/Home.aspx?tbid=375&SubTB=375" \l "/)