**3GPP TSG-WG SA2 Meeting #153E e-meeting *S2-220xxxx***

**Elbonia, October 10 – 17, 2022 (revision of S2-220xxxx)**

**Source: Huawei, HiSilicon**

**Title: Conclusion**

**Document for: Approval**

**Agenda Item: 9.24**

**Work Item / Release: FS\_5GSAT\_Ph2 / Rel-18**

*Abstract: A conclusion is proposed.*

# 1. Introduction/Discussion

This pCR provides a structure for the conclusions and conclusions on some aspects.

# 2. Text Proposal

It is proposed to capture the following changes vs. TR 23.700-28.

\* \* \* \* First change \* \* \* \*

# 8 Conclusions

## 8.1 Conclusion on general mobility management and/or power saving

The following are conclusions on mobility management and/or power saving:

- The AMF/MME obtains satellite related information (e.g. satellite ephemeris, satellite footprint) from OAM or a 3rd party server.

- The AMF/MME obtains the coverage information for the UE, based on the UE location information, the satellite related information, and optionally UE mobility information from an AF/UE and/or NWDAF (only apply to 5GC).

- For the case when UE mobility is known or predicable:

- The UE initiates Mobility Registration Update procedure/TAU procedure using the existing mechanism defined in TS 23.502 [3] and TS 23.401 [5].

- The AMF/MME configures the UEs mobility management and power saving parameters, e.g. MRU/TAU timer, active time, eDRX, based on the coverage information, to make sure the UE in power saving mode out of network coverage, to avoid the network de-registering or detaching the UE, or attempting to page the UE during this time. The UE may use this information to help determine when it can access a network.

- For the case when UE mobility is not known or predictable:

- The UE notifies the AMF/MME when it is about to leave coverage.

- The AMF/MME sets an implicit detach timer based on the coverage information to avoid de-registering or detaching the UE, or attempting to page the UE when it is in discontinuous coverage.

## 8.2 Conclusion on overload impacts to a target RAT/PLMN

The following are conclusions for this overload impacts to a target RAT/PLMN:

Editor’s Note: The conclusion is FFS.

## 8.3 Conclusion on alternative RAT/PLMN selection

The following are conclusions for alternative RAT/PLMN selection:

Editor’s Note: The conclusion is FFS and may not be required according to the discussion in Rel-17.

\* \* \* \* End of changes \* \* \* \*