**3GPP TSG-SA Meeting #104 *SP-240956***

**Shanghai, China, 18 – 21 June 2024**

**Title: draft-****LS on UICC Support for Ambient IoT Service**

**Response to: N/A**

**Release: Rel-19**

**Study Item: FS\_Ambient\_IoT\_Sec**

**Source: TSG SA**

**To: SA1, SA3**

**Cc: GSMA, SA2**

**Contact person: Lu Gan**

**E-mail Address: ganlu1@oppo.com**

**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:**

# 1 Overall description

In SA#104, SA3 Status Report, reported on contentions issues regarding authentication requirements and communication security requirements in the Ambient IoT Service Study as well as the risk this create regarding follow on development of security solutions for A-IoT.



These contentious issues and risks are largely related to unclear business models (e.g. subscription of devices or of application servers, i.e. does each device need to be charged individually, or aggregated charging per application server) and 3GPP scope of lifecycle management (e.g. initial provisioning, transfer of ownership, etc.) for Ambient IoT Services and devices for the SA3 discussion.

One of the controversial discussions in SA3 is regarding the requirements of secure storage, tamper resistance of credentials for access security and the use of USIM on UICC with regards to the limited capabilities of A-IoT devices.

In an effort to find progress and resolving controversial issues, TSG SA would like to ask SA1 to provide further guidance and clarification regarding stage 1 requirement for A-IoT deployment scenarios.

# 2 Actions

**To SA1**

**ACTION:** TSG SA kindly asks SA1 to provide further guidance and clarification regarding stage 1 requirement for A-IoT deployment scenarios taking aspects such as the business models and scope of the lifecycle management into account.

**To SA3**

**ACTION:** TSG SA kindly asks SA3 to continue to work on security requirements for A-IoT, analysis of potential threat scenarios, the security issues including authentication and communication and potential solutions of Ambient IoT Service in parallel.

# 3 Dates of next TSG SA meetings

SA#105 September 10th – 13th 2024 Melbourne, AU

SA#106 December 10th – 13th 2024 Madrid, ES