3GPP SA WG#166 S2-241xxxx

Orlando, US, November 18 – 22, 2024 (Revision of S2-241530)

**Source: OPPO**

**Title: Cover sheet for presentation of TR 23.700-13 to TSG SA for Approval**

**Document for: Approval**

**Agenda Item: 30.3**

**Work Item / Release: FS\_AmbientIoT / Rel-19**

*Abstract of the contribution: This is the coversheet for presenting TR 23.700-13 to TSG SA for Approval.*

3GPP TSG-SA Meeting #106 Tdoc <DocNumber>

Madrid, Spain, Dec. 10 - 13

**Title: Presentation of Report to TSG:
TR 23.700-13, Version 2.0.0**

**Source: TSG SA WG2**

**Document for: Approval**

**Abstract of document:**

The present document studies the architecture support of Ambient IoT Devices, based on the services requirements defined in TS 22.369 applicable to the Device types, traffic types, use cases and connectivity topologies defined in TR 38.769.

**Changes since last presentation to TSG SA:**

This is the 2nd presentation to TSG SA and sent for approval.

The changes compared to the last version:

* Solutions are added and updated.
* Conclusions for key issue #1, #2, #3 are agreed in clause 8.

The TR is considered 100% complete.

Coordination with RAN is required to determine the architecture options and scope of the work item.

Following issues will be re-visited in coordination with other WGs in the normative phase.

1. Issues in coordination with SA WG3:
* Architecture aspects to support security e.g. Authentication, ID Validation.
* Whether the temporary ID in the AIoT NAS layer is required for the privacy protection is FFS and is pending SA WG3 decision.
* It is FFS whether and how to support enabling temporarily disabled AIoT devices. (In the approved SP-231806/240969, it is stated that enable/disable device operation will be handled by SA3)
1. Issues in coordination with RAN WG:
* Radio resources allocation to Readers for topology 2.
* For RRC based option of topology2, whether the gNB performs the down selection of UE readers provided by AIOTF.

Following issues will be completed in SA2 in the normative phase.

* The name of the entity to store the AIoT Device subscriptions including credentials.

**Outstanding Issues:**

None

**Contentious Issues:**

None.