**3GPP TSG-SA3 Meeting #104-e *S3-212586r1***

**e-meeting, 16 - 27 August 2021** Revision of S3-20xxxx

**Source: Huawei, HiSilicon**

**Title: Revocation of UUAA in 5GS**

**Document for: Approval**

**Agenda Item: 4.20 ID\_UAS**

# 1 Decision/action requested

***Approve the proposed pCR as normative text***

# 2 References

[1] TR 33.854

# 3 Rationale

This contribution proposes the UUAA revocation procedure based on the agreed principle in the study (i.e. TR 33.854 [1]). It is in-line with SA2’s procedure as well.

# 4 Detailed proposal

pCR

\*\*\* BEGINNING OF CHANGES (all text new) \*\*\*

### X.1.1.5 UUAA Revocation

USS may trigger revocation of UUAA at any time.



Figure X.1.1.5-1: UUAA revocation in 5GS

1. The USS sends an UUAA revocation request to UAS-NF. The request includes GPSI, CAA-Level UAV ID, and the USS identifier.

2. The UAS NF retrieves the UAV UE's context. The UE’s context contains identity mapping between the GPSI and the USS identifier that performed UUAA. The UAV-NF verifies the USS revocation request by checking whether the GPSI and the USS identifier match the stored mapping of GPSI and USS identifier. The UAV-NF shall only continue the revocation procedures if match.

The UAS NF determines whether the target NF is an AMF or an SMF.

* If the target NF is an AMF, the UAS NF further determines the target AMF for revocation and continues step 3a.
* If the target NF is an SMF, the UAS NF further determines the target SMF for revocation and continues step 3b.

3a or 3b. The UAS NF sends to either the target AMF or the target SMF the UUAA revocation message for the UE identified by the GPSI and the CAA-Level UAV ID.

4. The UAS NF responses the USS that the UUAA revocation has been initiated.

5. If the target NF is an AMF, the AMF initiates the UCU procedure and informs the UE that UUAA is revoked. The AMF shall provide to UE the CAA-level UAV ID and UAA revocation indication.

6. Either the target AMF or the target SMF shall initiate the release of PDU Sessions related to UAS services

7. If the target NF is AMF, the AMF may start network initiated de-registration process if needed.

\*\*\* END OF CHANGES \*\*\*