**3GPP TSG-SA3 Meeting #103-e *S3-211608r1***

**e-meeting, 17 – 28 May 2021** Revision of S3-20xxxx

**Source: Huawei, HiSilicon**

**Title: pCR – Conclusions for KI#1**

**Document for: Approval**

**Agenda Item: 5.7 FS\_UAS\_SEC**

# 1 Decision/action requested

***Approve the proposed conclusions to KI#1 for TR33.854***

# 2 References

[1]

# 3 Rationale

This contribution proposes to conclude the KI#1 study and starts normative work

(KI#1: UAS authentication and authorization)

# 4 Detailed proposal

pCR

\*\*\* BEGINNING OF 1st CHANGES \*\*\*

## 7.1 Conclusions for KI#1

UAV Authentication and Authorization (UAA) is recommended for the normative work based on the following solutions and principles:

* UAA is performed in 5G systems or EPS.
* UAA is performed between UAV and USS/UTM after Primary Authentication
* Revocation of UAV is initiated by USS/UTM
* UAA is performed either during registration (5G solutions #1, #3, #7, #10 as basis) or PDU session establishment (5G solution #5 as basis)
* USS/UTM is authorised to perform UAV authorization, it is verified by UAS-NF (5G solutions #15 as basis)
* For EPS: solution #13 is chosen as the basis for normative work, with similar principles above
* In UAA, CAA Level UAV ID and 3GPP UAV ID are used to identify UAV.
* Specific authentication methods for UAA are out of scope of 3GPP, the messages used for UAA exchanged between UAV and USS/UTM are included in transparent containers.

\*\*\* END OF 1st CHANGES \*\*\*