**3GPP TSG-SA3 Meeting #119 S3-245256-r1**

Orlando, US, 11 -15 November 2024

**Source: Huawei, HiSilicon**

**Title: new solution for UAV triggered UUAA for KI#1**

**Document for: Approval**

**Agenda Item: 5.11**

# 1 Decision/action requested

***Approve the pCR proposal for TR 33.759***

# 2 References

[1] 3GPP TR 33.759

# 3 Rationale

It has been concluded in principle in last SA3 meeting that (Clause 7.1 of TR 33.759 [1]):

* *UAS NF receives and maintains info about authorized USS(es). UAS NF stores authorized USS(es) info as part of the UUAA context.*

It is understood that there are different options for the UAS NF to determine the authorized USS(es). In order to avoid misunderstanding during normative phase, it is proposed to document one such option in this contribution as a separate solution.

# 4 Detailed proposal

pCR

\*\*\* START OF CHANGES \*\*\*

## 6.X Solution #X: UAV triggered UUAA for USS changeover

### 6.X.1 Introduction

This solution addresses the Key Issue #1. In order to accomplish the USS changeover, the UAS NF needs to store information about authorized USS(es). In this solution, the NAS NF receives authorized USS information based on a UUAA procedure.

### 6.X.2 Solution details

The following enhancements are proposed based on the UUAA procedure described in clause 5.2.1.2 or clause 5.2.1.3 of TS 33.256 [4]:

step 5 – If UUAA successful, the UAS NF stores (not to replace if UUAA context is available) the UAV UEs' UUAA context, including the GPSI, USS Identifier and the CAA-level UAV ID. The USSes in the UUAA context is the authorized USSes.

NOTE: The procedure should be aligned with SA2.

### 6.X.3 Evaluation

The solution addresses the requirement of Key Issue #1. UUAA is reused and enhanced to allow the UAS NF to store multiple authorized USSes received from USSes during UUAA.

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