**3GPP TSG-SA3 Meeting #107adhoc-e *S3-221468***

**e-meeting, 27 June – 1 July 2022**

**Source: Apple**

**Title: New solution for HN triggered authentication**

**Document for: Approval**

**Agenda Item: 5.7**

1 Decision/action requested

***It is proposed to add a new solution in HN\_Auth TR 33.741.***

2 References

Null

3 Rationale

Null

4 Detailed proposal

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

6.Y Solution #Y: NAS based home network triggered authentication

6.Y.1 Introduction

This solution addresses key issue#1 - Ability of the home network to trigger primary authentication. This solution gives a general description on network triggered authentication based on NAS messages.

6.Y.2 Solution details

To address some use cases where HN triggered authentication is required, described in Clause 4 (e.g. interworking, UPU/SoR Counter wrap around, etc. ), AUSF/UDM decides to initiate the authentication procedure. AUSF/UDM send the HN authentication request to AMF. When AMF receives the HN authentication request from AUSF/UDM, it shall trigger the authentication procedure by sending a NAS message with an indication to UE to initiate the registration and authentication. When UE receives this message, UE shall perform the existing registration and authentication procedure defined in TS 33.501.

The NAS message used by AMF could be the UE configuration update or De-registration procedure.

6.Y.3 Evaluation

TBD

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