**3GPP TSG-SA3 Meeting #115 *S3-240840-r2***

Athens, Greece, 26th February - 1st March 2024

**Title: Reply LS on the proposal for a new work item: Guidelines for increasing security of the AKA protocols in IMT-2020 and beyond**

**Response to: S3-234497/SG17-LS67 LS on the proposal for a new work item: Guidelines for increasing security of the AKA protocols in IMT-2020 and beyond**

**Source:** **3GPP TSG SA WG3**

**To: ITU-T Study Group 17**

**Cc:**

**Contact person: Vlasios Tsiatsis**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments: None**

# 1 Overall description

3GPP SA3 would like to follow up the "Reply LS on the proposal for a new work item: Guidelines for increasing security of the AKA protocols in IMT-2020 and beyond" which 3GPP SA3 has sent to the ITU-T Study Group 17 as an outgoing document S3-235006 from SA3#113.

3GPP SA3 has carefully studied the AKA security concerns stated in the ITU-T document SG17-TD1352 and would like to mention the following.

The document SG17-TD1352 outlines three attacks: the Linkability of Failure Message (LFM) attack, the SUCI replay attack and SUPI check attack. These attacks were also studied in the context of the Authentication Enhancement Study and the results were documented in the 3GPP TR 33.846. 3GPP SA3 had concluded that no normative work is needed for addressing these attacks.

SA3 would like to note that the specification of AKA and its update is in the remit of SA3 for consistency purposes. Therefore, SA3 kindly recommends that ITU-T Study Group 17 does not create any new guideline/specification on AKA.

If ITU-T Study Group 17 should disagree with the findings in 3GPP TR 33.846, SA3 would like to kindly request ITU-T Study Group 17 to share those concerns with SA3.

# 2 Actions

**To ITU-T Study Group 17**

**ACTION: SA3 kindly asks ITU-T Study Group 17 to take this reply into account.**

# 3 Dates of next TSG SA WG 3 meetings

SA3#115AdHoc-e 15 - 19 April 2024 Electronic meeting

SA3#116 20 - 24 May 2024 Jeju (South Korea)

SA3#117 19 - 23 August 2024 Maastricht (Netherlands)