**3GPP TSG-SA3 Meeting #106-e *S3-22xxxx***

e-meeting, 14 - 25 February 2022

**Title: LS Reply on Resynchronisations**

**Response to: LS S3-220026 on Reply to LS on Resynchronisations from ETSI SAGE**

**Release: Rel-17**

**Work Item: FS\_AUTH\_ENH**

**Source:** **3GPP SA3**

**To:** **ETSI SAGE**

**Cc:**

**Contact person: Vlasios Tsiatsis**

**vlasios dot tsiatsis at ericsson dot com**

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

**Attachments:** TS 33.102 CR 0282

# 1 Overall description

3GPP SA3 would like to thank ETSI SAGE for the Reply to the LS on Resynchronisations where ETSI SAGE provided their expert opinion on solution #4.1 and #4.2 in the 3GPP TR 33.846 in the context of the study of Authentication Enhancements.

ETSI SAGE invited SA3 to consider the analysis and advise ETSI SAGE whether ETSI SAGE should begin work on new versions of the MILENAGE and TUAK example algorithms. ETSI SAGE also noted that this will also impact on the design of any new 256-bit example algorithms.

SA3 would like to respond that the study of Authentication Enhancements is concluded in Rel-17 with solution #4.1 to be specified in an informative annex as an optional to deploy solution. SA3 has agreed to the attached CR to TS 33.102 for the informative annex.

3GPP SA3 kindly requests ETSI SAGE to take this information into account and specify an update of the MILENAGE and TUAK example algorithms.

# 2 Actions

**To ETSI SAGE**

**ACTION:** 3GPP SA3 kindly requests ETSI SAGE to take this information into account and specify an update of the MILENAGE and TUAK example algorithms.

# 3 Dates of next TSG SA WG 3 meetings

SA3#106-Bis 4 - 8 April 2022 electronic meeting

SA3#107 16 - 20 May 2022 electronic meeting