**3GPP TSG-SA3 Meeting #104-e *draft\_S3-212940-r3***

e-meeting, 16 - 27 August 2021

**Title:** **[DRAFT] LS on EAS and ECS identifiers**

**Release: Rel-17**

**Work Item: FS\_eEDGE\_SEC (5.8)**

**Source: Ericsson, to be SA3**

**To: SA6**

**Cc:**

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**Attachments:** None

# 1 Overall description

SA3 is currently concluding its study on security aspects of enhancement of support for edge computing in 5G Core, captured in TR 33.839.

In this study, SA3 has identified the following issues related to the identifiers for the ECS (Edge Configuration Server) and the EAS (Edge Application Server).

1) According to the potential security requirements of Key Issue #2 "Authentication and Authorization between EEC and ECS" and Key Issue #3 "Authentication and Authorization between EES and ECS" in TR 33.839, the ECS shall be able to mutually authenticate with the EEC and the EES. However, TS 23.558 does not specify an identifier for the ECS.

2) TS 23.558 [2] clause 7.2.4 specifies the EAS ID as follows: "The EASID identifies a particular application for e.g. SA6Video, SA6Game etc. For example, all Edge SA6Video Servers will share the same EASID." This does not enable the EES to distinguish between different EASes of the same application type, during some procedures such as mutual authentication and EAS authorization. It is suggested to define the unique EAS ID for each EAS. If this requirement has the impact on the EC service defined by SA6, please inform SA3.

# 2 Actions

**To SA6**

**ACTION:** 3GPP SA3 kindly asks SA6 to specify identifiers for the ECS and the EAS that allow the EES (and EEC, for the ECS case) to distinguish between different ECS and EAS of the same type.

# 3 Dates of next TSG SA WG 3 meetings

TSG SA WG3 meeting schedule is available at the following 3GPP link:

<https://portal.3gpp.org/Home.aspx?tbid=386&SubTB=386#/>