**3GPP TSG-SA3 Meeting #116 *draft\_S3-242371-r1***

Jeju, South Korea, 20th - 24th May 2024

**Title: Reply LS on clarification on home network triggered re-authentication**

**Response to: LS S3-241736/C4-235577 on clarification on home network triggered re-authentication from CT4**

**Release: Rel-18**

**Work Item: HN\_Auth**

**Source:** **Ericsson**

**To:** **CT4**

**Cc: -**

**Contact person: Vlasios Tsiatsis,**

 **vlasios dot tsiatsis at ericsson dot com**

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

**Attachments:** **<Any agreed CR>**

# 1 Overall description

SA3 would like to thank CT4 for the questions. Please find the answer in below.

**Question1:** Should the above user cases be considered as valid failure cases?

**Answer1:**

From an SA3 perspective, the AMF will respond either with an acknowledgement message or a failure message.

The acknowledgement message is to tell the UDM that the AMF is currently handling or will initiate the primary authentication. The response message is used to tell the UDM that the AMF will not initiate the primary authentication based on the request.

With respect to the specific Questions asked by the incoming LS, below are the provided responses.

From SA3 perspective, case 2 shall be treated as failure case, the (source) AMF informs the UDM a failure response.

In any case for cases 1, 3 and 4, the AMF receiving the authentication notification message sends acknowledgement response message to the UDM.

For case 5 it is up to the AMF local implementation whether to acknowledge the request (e.g. AMF may have planned paging of UE) or send an error back to UDM to trigger the UDM to take immediate action as already specified in 33.501, 6.1.5 (e.g. try AMF of another access.

**Question2**: Does SA3 see any need of differentiated handling in the UDM in each failure case? Or, what’s the expected UDM behaviour from the SA3 point of view?

**Answer2:** From SA3 perspective, when UDM requests to authenticate the UE, it means a situation that can only be addressed by authenticating the UE. The UDM handles the cases of the acknowledgement and the failure according to the existing specification in 33.501, 6.1.5. Currently, SA3 does not see there is any difference in handling the different failure cases in the existing specification. If CT4 sees the need, please take the above principle into account.

# 2 Actions

**To CT4**

**ACTION:** SA3 kindly requests CT4 to take the above information into account.

# 3 Dates of next TSG SA WG 3 meetings

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

SA3#118 14 - 18 October 2024 TBD (India)