**3GPP TSG-SA3 Meeting #102Bis-e *S3-210823r1***

**e-meeting, 1-5 March 2021**

**Title:** **DRAFT LS on Layer-2 based UE-to-UE Relay utilizing Adaptation Layer**

**Document for: Decision**

Agenda Item: 2.9

**Title: LS on privacy threat associated with UE-to-UE Relay utilizing Adaptation Layer**

**Response to: -**

**Release: Rel-17**

**Work Item: FS\_5G\_ProSe**

**Source: SA3**

**To: RAN2**

**Cc:**

**Contact person: Alec Brusilovsky**

**alec dot brusilovsky at interdigital dot com**

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

**Attachments:** None.

# 1 Overall description

SA3 is conducting a study on System enhancement for Proximity based Services in 5GS (FS\_5G\_ProSe) with results captured in TR 33.847. This work includes support of relays i.e., UE-to-Network Relays and UE-to-UE Relays including recently adopted provisions for Layer-2 based UE-to-UE Relay utilizing Adaptation Layer.

SA3 would like to inform RAN2 about a potential privacy threat related to end-to-end UE identifiers ("Remote UE identity information" in RAN2 terminology) sent in the adaptation layer and via a single per-hop link between the Relay and the Remote UE.

Having end-to-end identifiers carried in the adaptation header may create a potential privacy threat, while using a single per-hop link associates all end-to-end identifiers together (i.e. allows linkability of all end-to-end identifiers).

# 2 Actions

**To RAN2**

**ACTION:** SA3 asks RAN2 to take into consideration the potential privacy attack for the Layer-2 based UE-to-UE Relay for RAN2 ProSe work utilizing Adaptation Layer.

# 3 Dates of next TSG SA WG 3 meetings

SA3#103e May 17-28 2021

SA3#104e TBD