3GPP TSG SA WG2 Meeting #139E TDoc S2-20nnnn

Electronic, 01 – 12 June 2020

**Title: LS on Security Requirements for Sidelink/PC5 Relays**

**Response to: -**

**Release: Rel-17**

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

**Source: SA2**

**To: SA3**

**Cc: RAN2**

**Contact person: Guillaume SEBIRE (MediaTek Inc.)**

**guillaume dot sebire at mediatek dot com**

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

**Attachments:** None

# 1 Overall description

SA2 is conducting a study on System enhancement for Proximity based Services in 5GS (FS\_5G\_ProSe). This work includes in particular the support of relays i.e. UE-to-Network Relays and UE-to-UE Relays that allow relaying communications between a Remote UE and the network (respectively between two Remote UEs) via a UE-to-Network Relay (respectively UE-to-UE Relay):

- a Remote UE communicates with a Relay UE over the PC5 (Sidelink) interface

- a UE-to-Network Relay communicates with the network over the Uu interface

SA2 is studying a number of architecture options to support UE-to-Network Relays and UE-to-UE Relays and is yet to reach a conclusion as to which options should proceed into normative work.

In order for the study to progress, SA2 would like to understand the security requirements (i.e. privacy, confidentiality and integrity) imposed with regards to Relay UEs (UE-to-Network Relay, UE-to-UE Relay) taking into account such relays may be commercial devices, namely:

- Security requirements imposed on the PC5 interface between a Remote UE and a Relay UE.

- Security requirements imposed on the Relay UE taking into account it relays communications between a Remote UE and the network or between two Remote UEs.

# 2 Actions

**To SA3**

**ACTION:** SA2 asks SA3 to clarify the security requirements (i.e. privacy, confidentiality and integrity) imposed with regards to Relay UEs, namely security requirements on the PC5 interface between a Remote UE and a Relay UE and security requirements imposed on the Relay UE taking into account it relays communications between a Remote UE and the network or between two Remote UEs.

# 3 Dates of next TSG SA WG 2 meetings

<meeting\_identity> <start\_date> - <end\_date> <town>, <country>

<meeting\_identity> <start\_date> - <end\_date> <town>, <country>