3GPP TSG SA WG2 Meeting #145E S2-21xxxxx

**17 – 28 May, 2021, Elbonia**

**Title: [draft] LS on RAN dependency issues for ProSe**

**Response to: -**

**Release: Rel-17**

**Work Item: 5G\_ProSe**

**Source: SA2**

**To: RAN2**

**Cc: -**

**Contact person: Qiang Deng (CATT)**

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

**Attachments:** **None**

# 1 Overall description

SA2 is working on Rel-17 5G\_ProSe work item and would like to ask RAN2 to provide feedback on the following RAN dependency issues.

**Q1)** SA2 has studied the possibility to transmit metadata or application layer discovery information in the PC5 discovery message and realized that it depends on the PC5 discovery message size. SA2 would like to ask RAN2 whether there is any limitation on the size of NR PC5 discovery message as similar to LTE PC5 discovery message.

**Q2)** SA2 has introduced new data unit type of ARP (i.e. Address Resolution Protocol) for ProSe Direct Communication (as described in clause 5.3.1 of TS 23.304), and would like to check with RAN2 whether it is supported by AS layer.

**Q3)** SA2 has discussed the scenarios that a public safety UE can perform the authorized NR PC5 operation in EPS, i.e. EN-DC architecture (as described in clause 5.11 of TS 23.304), and would like to ask RAN2 whether NR PC5 operation in network scheduled operation mode in EPS for ProSe Direct Discovery/Communication is supported or not.

**Q4)** SA2 understands the adaption layer over PC5 is under design by RAN2 and would like RAN2 to confirm whether it is supported or not.

**Q5)** For Layer-2 UE-to-Network Relay, SA2 would like to know the possible states of Remote UE and Relay UE as well as combinations of the states.

**Q6)** For Layer-2 UE-to-Network Relay, SA2 studied the trigger from Remote UE to Relay UE in CM\_IDLE to perform Service Request (as described in step 4 of clause 6.5.2.2 of TS 23.304) and would like to know whether the trigger is from AS layer or not.

# 2 Actions

**To RAN2**

**ACTION:** SA2 kindly asks RAN2 to provide feedback on the RAN dependency issues listed above.

# 3 Dates of next TSG SA WG 2 meetings

3GPP SA 2 SA2#146-e 2021-xx-xx to 2021-yy-yy