**3GPP TSG-RAN WG2 Meeting #113bis-e R2-210xxxx**

**E-meeting, 12 – 20 April 2021**

**Title: [DRAFT]** LS on R17 Layer-2 SL Relay of UE ID exposure in paging mechanism

**Response to:**

**Release:** Rel-17

**Work Item:** NR\_SL\_relay-Core

**Source:** OPPO [To be RAN2]

**To:** SA3

**Cc:** SA2, CT1

**Contact Person:**

#### Name: Qianxi Lu

**Tel. Number:**

E-mail Address: qianxi.lu@oppo.com

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

**Attachments:**

**1. Overall Description:**

For R17 SL relay, during SI phase, as captured in TR 38.836

4.5.5.2 Paging

The Option 2 as studied in TR36.746 [7] for FeD2D paging is selected as the baseline paging relaying solution for L2 UE-to-Network relaying case (i.e. **Relay UE monitors the Remote UE’s Paging Occasion(s) in addition to its own Paging Occasion(s)**.) . The paging relaying solution applies to both CN paging and RAN paging via the Option 2.

In RAN2#113bis-e, in the WI phase, RAN2 discuss the scheme on how to support the requirement above.

RAN2 respectfully requests SA3 to feedback on the following question, supposing 5G-S-TMSI/I-RNTI of remote UE are to be provided to relay UE:

**Q1**: Is there any security issue on exposing the 5G-S-TMSI/I-RNTI of remote UE to relay UE over the established secure PC5 connection?

Q2: Is there any security issue on exposing the 5G-S-TMSI/I-RNTI of remote UE to gNB over secure Uu interface?

Q3: Is there any security issue on exposing the local temporary remote UE ID in adaptation layer header, which is assigned by the relay UE, or the serving gNB of the relay UE?

**2. Actions:**

**To SA3 group**

RAN2 respectfully requests SA3 to feedback on Q1-3 above.

**3. Date of Next TSG-RAN2 Meetings:**

3GPPRAN2#114-e 19-27 May 2021 Online

3GPPRAN2#115-e 16-27 August 2021 Online