3GPP TSG-RAN WG2 Meeting #123bis R2-230xxxx

**Xiamen, China, October 9-13, 2023**

**Title: LS to CT1 on emergency cause value for relay**

**Response to:** -

**Release:** Release 18

**Work Item:** TEI 18, NR\_SL\_relay\_enh-Core

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

**To:** CT1

**Cc:** SA2

**Contact Person:**

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**Attachments:** -

**1. Overall Description:**

For the cause value setting for RRC connection establishment/resumption of L2 U2N Relay UE, in R17, the L2 U2N Relay UE can base on its implementation to set it, but can only set to *emergency* if the same value is received from the SL-RLC0 message as the following NOTE in TS 38.331:

NOTE 2: In case the L2 U2N Relay UE initiates RRC connection establishment triggered by reception of message from a L2 U2N Remote UE via SL-RLC0 or SL-RLC1 as specified in 5.3.3.1a, the L2 U2N Relay UE sets the *establishmentCause* by implementation, but it can only set the *emergency*, *mps-PriorityAccess*, or *mcs-PriorityAccess* as *establishmentCause* if the same cause value is in the message received from the L2 U2N Remote UE via SL-RLC0.

While in R18, RAN2 made the following agreement for the case SL-RLC0 (carry SRB0 from Remote UE which includes cause value of the remote UE) is received from the L2 U2N Remote UE:

R2 confirm R18 relay UE sets cause value for emergency service relaying as in Rel-17 for SL-RLC0 traffic. FFS SL-RLC1 case for path switching.

For the case SL-RLC1 (carry SRB1 from Remote UE which does not include cause value of the remote UE) is received from the L2 U2N Remote UE, RAN2 agreed that:

RAN2 intend that for a Rel-18 relay UE, for an emergency RSC where the relay UE connects based on a message on SL-RLC1, the relay UE should set an emergency cause value. FFS how this is achieved and if there is spec impact.

While for how to achieve the above agreement for SL-RLC1 case, RAN2 identified two approaches:

1) upper layer provides the information of emergency link for relay case, or

2) upper layer provides the emergency cause value for relay case directly.

RAN2 respectfully asks CT1 to decide which approach to use, and feedback to RAN2, so the following question is to check CT1’s decision:

**Q1**: Which approach is to be adopted by CT1 for the emergency cause value setting for SL\_RLC1 case?

**2. Actions:**

**To CT WG1**

**ACTION:** RAN2 would like to ask CT1 to take the above agreements into account in their work and feedback to RAN2 on above Q1.

**3. Date of Next TSG-RAN WG2 Meeting:**

RAN2#124 from 2023-11-13 to 2023-11-17 Chicago, US

RAN2#125 from 2024-02-26 to 2024-03-01 Athens, GR