**3GPP TSG-RAN WG2 #130 R2-250xxxx**

**St Julian's, Malta, 19th May – 23rd May, 2025**

**Title: [DRAFT]** LS on relay reselection notification agreements

**Response to:** -

**Release:** Release 19

**Work Item:** NR\_SL\_relay\_multihop

**Source:** NEC [to be RAN2]

**To:** SA2, CT1

**Cc:**

**Contact Person:**

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**Attachments:** -

**1. Overall Description:**

In RAN2 #129bis meeting, RAN2 has made the following agreement:

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| Agreements:When the parent UE in idle/inactive performs reselection, RAN2 assume that an indication of the reselection is needed for the child UE.FFS detailed information in the indication and child UE handling.FFS if there are exceptional cases where the indication can be suppressed, e.g., reselection under the same serving cell without changing the hop count.FFS if the notification message is used or we rely on upper layer signalling (e.g., discovery). |

In addition, regarding to the last FFS issue listed in the above agreement: FFS if the notification message is used or we rely on upper layer signaling (e.g., discovery), RAN2 has agreed that the notification message is used to indicate the L2 relay (re)selection triggered by AS layer to the child UE as follows:

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| Agreements:The notification message is used for the L2 child UE in case of upstream relay (re)selection triggered by AS layer failure cases (Uu/PC5 link failure/release, using legacy cause value) where the upper layer does not trigger link release towards the child. For reselection triggered by upper layers we rely on the upper-layer notification/release mechanism already defined.Remote UE handling of the notification is up to upper layer implementation.Further handling of any inter-layer issues on this topic can be done in maintenance phase. |

Regarding to the notification message mentioned in the above agreements, it is defined since Rel-17, in details, the notification message is used to inform L2 or L3 U2N Remote UE(s) when the L2 or L3 U2N Relay UE performs handover, detects Uu RLF, or its Uu RRC connection establishment/resume fails. Upon reception of the notification message, it is up to U2N Remote UE implementation whether to release or keep the unicast PC5 link. If U2N Remote UE decides to release the unicast PC5 link, it triggers the PC5 release procedure and may perform cell or relay reselection.

**2. Actions:**

**To SA2/CT1**

**ACTION:** RAN2 would like to respectfully ask SA2 and CT1 to take the above RAN2 agreements, as well as related background information into account.

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

RAN2#131 25th August – 29th August 2025 Bangalore, India

RAN2#131bis 13th October – 17rd October 2025 Prague, Czech