**3GPP TSG-RAN WG2 Meeting #119bis-e R2-22xxxxx**

**E-Meeting, 10th – 19th October, 2022**

**Source: vivo (Rapporteur)**

**Title:****Summary of [AT119bis-e][411][Relay] Relay cause value**

**Agenda Item:** **6.7.1**

**Document for:** **Discussion and Decision**

# Introduction

The following offline discussion is triggered to mainly discuss these proposals as follows:

* [AT119bis-e][411][Relay] Relay cause value (vivo)

Scope: Discuss the LS in R2-2209306 and related documents (R2-2209812 / R2-2209813 / R2-2209814 + first change from R2-2209903), consider the proposed correction, and draft a reply.

Intended outcome: Report in R2-2210900, approvable LS, and agreeable CR if needed; report of extended discussion in R2-2210978

Deadline: Friday 2022-10-14 1000 UTC – extended to Wednesday 2022-10-19 0100 UTC

## Contact Points

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| --- | --- | --- |
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# Discussion

During the first round of this email discussion CR proposal option in [1] had some support from some companies as below:



Additionally, during the email discussion there was proposal on the reflector to add sentence to NOTE 2 as ‘When simultaneously triggered by upper layer and L2 remote UE, it is up to relay UE implementation whether/how to consider the cause value in the message received from L2 remote UE".

As there was some interest from some companies to improve NOTE 2 to better reflect CT1 progress, we may further consider the following options as baseline for NOTE2 improvement:

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| **Option 1: Modified based on ZTE’s paper (first change in R2-2209903)**  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 (including simultaneously triggered by L2 U2N Relay UE’s own service), 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 or received from the L2 U2N Relay UE’s upper layers. |

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| **Option 2: Suggested by APPLE via email reflector**  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. When simultaneously triggered by the L2 U2N Relay UE’s own service and the L2 remote UE, it is up to Relay UE implementation whether/how to consider the cause value in the message received from L2 remote UE. |

**Q1: If RAN2 have to improve NOTE2 to better reflect the simultaneously triggered by L2 U2N Relay UE’s own service case, which option do you prefer as a CR baseline?**

1. **Option 1: Modified based on ZTE’s paper (first change in R2-2209903), see as above**
2. **Option 2: Suggested by APPLE via email reflector, see as above**
3. **Other (please specify)**

|  |  |  |
| --- | --- | --- |
| **Company** | **Option?** | **Comment** |
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**Summary:**

**Xxx**

# Conclusion

The summary concludes with the following proposals:

**xxx**

1. Reference
2. R2-2209903 Correction on control plane for L2 U2N relay ZTE, Sanechips draftCR Rel-17 38.331 17.2.0 F NR\_SL\_relay-Core