**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

|  |  |  |
| --- | --- | --- |
| Name | Company | Email Address |
| Bpubacar Kimba | vivo | kimba@vivo.com |
|  |  |  |
|  |  |  |

# 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:

|  |
| --- |
| **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. |

|  |
| --- |
| **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 Lthe L2 U2N Relay UE’s own service and the L2 remote UE 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** |
|  |  |  |
|  |  |  |

**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