**3GPP TSG-RAN WG2 Meeting #131 R2-250xxxx**

**Bengaluru, India, August 25th – 29th, 2025**

**Agenda Item: 8.13.1**

**Source: Huawei, HiSilicon**

**Title: Comment collection for Main RRC (TS 38.331) running CR for NR Sidelink Multihop Relay**

**Document for:**

# 1 Introduction

This paper collects comments for Main RRC (TS 38.331) running CR for NR Sidelink Multihop Relay

* [Post130][406][Relay] Rel-19 relay main CR to 38.331 (Huawei)

 Scope: Update the CR in R2-2504271 to take into account agreements of RAN2#130.

 Intended outcome: Endorsed draft CR for merge with output of [Post130][402] before RAN2#131

 Deadline: June 20th

Please fill in the contact information in the table below

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# 2 Comments for the running CR

This section is used to collect comments for the running CR in Main RRC (TS 38.331) running CR for NR Sidelink Multihop Relay

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| **Company** | **Issue** | **Suggestion** |
| ASUSTeK | In section 3.1, the term “**Last** U2N Relay UE” is defined, while “U2N **Last** Relay UE” is used in related procedures e.g. 5.3.5.3, 5.3.7.2, 5.3.10.3, …etc. | Suggest to align the terms. |
| ASUSTeK | In our understanding, section 5.8.15 should also cover the behavior of the intermediate U2N Relay UE in case of multi-hop U2N Relay. Otherwise, the behavior of the intermediate U2N Relay UE is missing. | If the previous understanding correct, we suggest to mimic the wording in 5.8.14.1 to make this clear e.g.:5.8.15.1 GeneralThis procedure is used by a UE supporting NR sidelink U2N Remote UE operation in case of single hop or by a UE supporting NR sidelink U2N Intermediate Relay UE operation in case of multi hop configured by upper layers to transmit NR sidelink discovery messages to evaluate AS layer conditions. The procedure is also used to perform selection and reselection of NR sidelink U2N Relay UEs.5.8.15.2 NR Sidelink U2N Remote UE threshold conditionsA UE capable of NR sidelink U2N Remote UE operation or U2N Intermediate Relay UE operation shall:… |
| ASUSTeK | We are wondering the implication of NOTE X in 5.8.15.2. Does it imply the U2N Relay UE shall not transmit NR sidelink discovery message if it cannot connect to the network via any parent U2N Relay UE or what? | Suggest rewording to clarify. |
| ASUSTeK | It was agreed in RAN2#130, an intermediate relay UE can act as a remote UE simultaneously. **RAN2#130 also agreed to clarify in the normative text that the UE can be a relay and remote UE simultaneously** (to be determined case by case where it needs to be documented). In our understanding, if IE *sl-SRAP-ConfigRelayList* is included, *sl-L2IdentityRemote* in *SL-RemoteUE-ToAddMod* indicates the L2 ID of the directly connected child UE, which acts as both a U2N Remote UE and an Intermediate U2N Relay UE for indirectly connected child UE in the multi hop case. | We think this IE is a proper place to clarify this point so as to make the structure of IE *SL-RemoteUE-ToAddMod* easier to understand e.g.:***sl-SRAP-ConfigRelay-ToAddModList***List of SRAP configuration for each indirectly connected child UEs in the multi hop case. If this IE is included, *sl-L2IdentityRemote* in *SL-RemoteUE-ToAddMod* indicates the L2 ID of a directly connected child UE, which acts as both a U2N Remote UE and an Intermediate U2N Relay UE (for indirectly connected child UE) in the multi hop case. |
| ASUSTeK | Some correction is needed in the new field descriptions:***sl-SRAP-ConfigRelay-ToAddModList***List of SRAP configuration for each indirectly connected child UEs in the multi hop case***sl-SRAP-ConfigRelay-ToReleaseList***List of SRAP configuration be released for each indirectly connected child UEs in the multi hop case | Text proposal:***sl-SRAP-ConfigRelay-ToAddModList***List of SRAP configuration for each indirectly connected child UE~~s~~ in the multi hop case.***sl-SRAP-ConfigRelay-ToReleaseList***List of SRAP configuration be released for each indirectly connected child UE~~s~~ in the multi hop case. |
| ASUSTeK | According to clause 5.8.9.9.X, the *UuMessageTransferSidelink* message can also be transmitted by the L2 **Intermediate** U2N Relay UE. But, the description in the clauses 5.8.9.9.1 and 5.8.9.9.2 only considers the *UuMessageTransferSidelink* message can be sent by the L2 U2N **Last** Relay UE (in case of multi hop). | Suggest to clarify that the L2 **Intermediate** U2N Relay UE can also send the *UuMessageTransferSidelink* message in case of multi hop in clauses 5.8.9.9.1 and 5.8.9.9.2. |
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