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

**Bangalore, India, 25 – 29 Augugst 2025**

**Agenda item: 8.7.1**

**Source: Xiaomi**

**Title: Open issues of Rel-19 XR UE capabilities**

**Document for: Discussion and Decision**

# Introduction

As part of email discussion “[POST130][509][XR] UE capabilities CRs (Xiaomi)”, this document is to collect list of open issues on Rel-19 XR UE capabilities for discussion at RAN2#131 meeting. Companies are invited to provide input no later than August 1st Friday 10:00 UTC.

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# Discussion

## Closed Open issues

The following open issues in R2-2503438 were closed based on RAN2#130 meeting agreements:

* Open issue 2: whether to have separate or joint UE capability for UE Tx and Rx operations for unnecessary retransmission avoidance.
* Open issue 3: whether RAN2 to define the UE capability for UAI for a ratio of gap occasions.

## Open issue list

(UE capability-01): the pre-requisite of enhanced delay status report

This was discussed in RAN2#129bis meeting (as shown below) and an FFS was captured: “*FFS A UE supporting this feature shall also indicate support of delayStatusReport-r18.*” Contributions submitted to RAN2#130 meeting on this topic were not treated due to lack of time.

* LGE, QCM thinks we do not need to couple R18 and R19 DSR. Vivo thinks reasonable UE will implement R18 if implements R19, but does not want to couple in specs.
* Huawei does not think it is possible to support R19 without R18

(UE capability-04): The pre-requisite of Tx side stopping transmission of discarded SDU

This was discussed in RAN2#130 meeting (as shown below) and an FFS was captured: “*Define an (optional) per-UE capability with signalling for the Tx-side aspect, where the Tx side stops transmissions for an outdated SDU based on an indication from the PDCP. FFS A UE supporting this feature shall also indicate the support of Rx-side aspect.*”

* OPPO thinks we do not have mandate UE supporting Tx side to also support Rx side. Vivo agrees.
* LGE thinks Tx side requires Rx side, otherwise we can have window stalling issue we just discussed. LGE supports the proposals.
* OPPO indicates that this is for UL so SR is triggered by the network.

## Other open issues

Companies are invited to describe any other identified open issues not included in clause 2.2 above.

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| **Company** | **Description of open issues** |
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# Conclusion

In this contribution, we collect open issues of Rel-19 XR UE capabilities. Based on above discussion, following open issues are recommended for discussion at RAN2#131 meeting: