**3GPP TSG-RAN WG2 Meeting #123bis** **R2-23xxxxx**

**Xiamen, China, 9th-13th October, 2023**

**Agenda item: 7.5.1**

**Source: LG Electronics Inc. (Rapporteur)**

**Title: [Post123bis][026][XR] 38.323 Running CR (LG)**

**Document for: Discussion and Decision**

# Introduction

This document collects the comments received during the following email discussion on PDCP running CR for XR.

* [POST123bis][026][XR] 38.323 Running CR (LG)

Scope:

- Review running CR

- Identify open issues

- Get inputs for subset of open issues (focus on more detailed open issues that would help with CR finalisation).

Deadline: long

# Contact information

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# Discussions

Companies can provide comments and suggestions to the PDCP running CR:

|  |  |  |  |
| --- | --- | --- | --- |
| Company + Issue Number (e.g., L001) | Issue | Comments and proposed changes | Rapporteur comment |
| VF\_001 | *Definition of the discardTimerForLowImportance in 7.3 is not aligned with the description* | This timer is configured only for DRBs. The duration of the timer is configured by upper layers TS 38.331 [3]. In the transmitter, a new timer is started upon reception of an SDU belonging to a lower importance PDU Set from upper layer if *psi-BasedDiscard is configured* |  |
| APPLE\_001 | Definition of Delay-critical PDCP SDU is not clear enough | **Delay-critical PDCP SDU**: the PDCP SDU for which the remaining time value till *discardTimer* expiry is less than a [threshold]. |  |
| V\_001 | Functions | Timer based PDU set discard:  I assume it should be “PDU set based discard”.  My understanding is: in case PDU set based discard is configured, no matter one PDCP SDU is discarded based on what reason (e.g. Timer based, or PSI based), the PDU(s) in the same PDU set should be discarded. Thus, it is not just “timer based PDU set discard”, while it should be “PDU set based discard” |  |
| V\_002 | “- if *psi-BasedDiscard* is activated, and the PDCP SDU belongs to a lower importance PDU Set:” | Suggest to:  “- if *psi-BasedDiscard* is activated, and the PDCP SDU belongs to a low~~er~~ importance PDU Set:”  Otherwise, the IE should be “*discardTimerForLowerImportance*” |  |
| V\_003 | Data volume calculation | I assume the else part should be in brackets as it is still FFS as below:  FFS what to report for the case of not PDU set discard configured  [OPPO]: We share a similar view as vivo. |  |
| O\_001 | *Definition of the discardTimerForLowImportance* in 7.3 | Only when psi-BasedDiscard is activated, this timer would be used (to more align with the description in 5.2.1 and our MAC CE-based agreement)  b) *discardTimerForLowImportance*  This timer is configured only for DRBs. The duration of the timer is configured by upper layers TS 38.331 [3]. In the transmitter, a new timer is started upon reception of an SDU belonging to a lower importance PDU Set from upper layer if *psi-BasedDiscard is activated*. |  |
| N\_01 | Transmit Operation | The identification of lower importance set cannot be left fully up to UE implementation. There needs to be at least a pointer towards TS 26.522. |  |
| N\_02 | Second Discard Timer | The introduction of a second timer seems to contradict a previous agreement we had in RAN2: *PDU set discard is modelled using the existing PDCP discard timer for the uplink*  Isn’t it possible to use one timer with two values ? This would avoid tests like “without restarting the *discardTimer* or the *discardTimerForLowImportance*” |  |
| N\_03 | Transmit Operation | With the suggested text, after the OFF-signal, for the SDUs already in buffer the new, shorter timer will still apply. This may not be desirable. In order to avoid this, we could always start the legacy timer, and ignore the expiry of the new timer if the ON-signal no longer applies. That would also justify the introduction of the 2nd timer (see N\_02). |  |
| N\_04 | Definitions | Not convinced we need the two new definitions since they are used only in one place. |  |
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# Conclusion

TBD