3GPP TSG-RAN WG3 Meeting #125 R3-244686

Maastricht, NL, 19 - 23 August, 2024

Agenda Item: 9.2

Source: Huawei (moderator)

Title: SoD of CB: # 12\_DLPSI

Document for: Approval

# Introduction

This contribution provides the summary of offline discussion on the following CB:

**CB: # 12\_DLPSI**

**- Try to figure out the solution and whether to solve this issue in R18 or R19?**

**- Check R3-244583 together**

(moderator - HW)

Summary of offline disc R3-244686

# For the Chairman’s Notes

DL PSI based discard

**No CRs for Rel-18. RAN3 agreed to introduce new notification over F1AP and F1-U for DL PSI Discard in Rel-19 XR WI.**

CRs

**Agree the revision of R3-244583 in R3-244761, to only reflect the following:**

* **remove “and the value is set as "start" ” from clause 8.3.1 and clause 8.3.4.**

# Discussion

## DL PSI based discard

**Issue 1: Which option to be adopted to support DL PSI based discard?**

**Option 1**: Introducing specific notification in F1AP and suggestion mechanism in F1-U for DL PSI based discard

**Option 2**: Using the Desired buffer size for the data radio bearer and/or the Desired Data Rate contained in the DL DATA DELEVERY STATUS frame

**Option 3**: Using the DL Congestion Information contained in the ASSISTANCE INFORMATION DATA frame.

**Option 4:** option 1 but since R19

**Summary: Based on further offline discussion, it is suggested RAN3 to adopts option 1. Few companies preferred from Rel-18. But to make progress, Rel-19 is also OK.**

## Revision for CR R3-244583

**Option 1:**

### 8.3.1 UE Context Setup

------------------unchanged parts are skipped----------------

If the *PSI based SDU Discard UL* IE is included in the *DRB To Be Setup List* IE and the value is set as "start", the gNB-DU shall, if supported, take it into account to start performing UL PSI based SDU discarding activation or deactivation for the indicated DRB as defined in TS 38.321 [16].

------------------unchanged parts are skipped----------------

### 8.3.4 UE Context Modification (gNB-CU initiated)

------------------unchanged parts are skipped----------------

If the *PSI based SDU Discard UL* IE is included in the *DRB To Be Setup List* IE or the *DRB To Be Modified List* IE and the value is set as "start", the gNB-DU shall, if supported, take it into account to start performing UL PSI based SDU discarding activation or deactivation for the indicated DRB as defined in TS 38.321 [16]. If the *PSI based SDU Discard UL* IE is included in the *DRB To Be Modified List* IE and the value is set as "stop", the gNB-DU shall, if supported, take it into account to stop performing UL PSI based SDU discarding activation and deactivation for the indicated DRB.

**Option 2:**

### 8.3.1 UE Context Setup

------------------unchanged parts are skipped----------------

If the *PSI based SDU Discard UL* IE is included in the *DRB To Be Setup List* IE, the gNB-DU shall, if supported, take it into account to perform UL PSI based SDU discarding activation or deactivation for the indicated DRB as defined in TS 38.321 [16].

------------------unchanged parts are skipped----------------

### 8.3.4 UE Context Modification (gNB-CU initiated)

------------------unchanged parts are skipped----------------

If the *PSI based SDU Discard UL* IE is included in the *DRB To Be Setup List* IE or the *DRB To Be Modified List* IE, the gNB-DU shall, if supported, take it into account to perform UL PSI based SDU discarding activation or deactivation for the indicated DRB as defined in TS 38.321 [16].

**The tabular below is pasted for information, to show the clear semantics description of the IE.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| >>>>PSI based SDU Discard UL | O |  | ENUMERATED (start, stop, …) | Indicates whether UL PSI based SDU discard is (re)configured or released for the DRB. The codepoint “start” means that UL PSI based discarding is (re)configured, while the codepoint “stop” means that UL PSI based discarding is released. Up to 8 DRBs can be set as “start”. | YES | ignore |

**Summary: We go for option 2. CMCC please update the CR accordingly.**

# References