**3GPP TSG-RAN WG3 Meeting #127bis R3-252352**

**Wuhan, China, 7th – 11th April 2025**

**Agenda item: 21.3**

**Source: Nokia, Nokia Shanghai Bell**

**Title: Summary of offline discussion on CB: # XR**

**Document for: Discussion and Decision**

# 1 Introduction

This contribution provides summary of offline discussion on CB: # XR.

**CB: # XR**

* **Provide TPs to capture the agreements above**
* **Reply LS to RAN2**

(moderator - Nok)

Summary of offline disc [R3-252352](Inbox%5CR3-252352.zip)

# 2 For the Chair’s Notes

**For support of DL PDU Set marking without PDU Set QoS, Agree following TPs**

**For support alternative PDU Set QoS, Agree following TPs**

**For QoS Handling when Traffic Characteristics Change Dynamically, Agree following TPs**

**For Support of exposure of available data rate, Agree following TPs**

**For Support multi-modality awareness, Agree following TPs**

**For support of UL rate control, Agree following TPs**

# 4 Introduce BSSize and TTNB in NG-U/F1-U/XN-U

Per the offline discussion, it was mentioned that SA4 defines BSSize and TTNB in a new RTP header Extension, different to the RTP Header extension for PDU Set Marking. So it is suggested to define BSSize and TTNB out of the existing PDU Set Information user plane protocol, i.e. Add BSSize and TTNB into the DL PDU SESSION INFORMATION frame defined in TS 38.415 and the DL USER DATA frame defined in TS 38.425.

Moderator suggest to agree following:

**Proposa1 1: Add BSSize and TTNB into the DL PDU SESSION INFORMATION frame defined in TS 38.415 and the DL USER DATA frame defined in TS 38.425.**

# 5 TPs/draft LS

**Please share your comments on the TPs. (no need to comment in this document)**

# References

1. R3-251856 Discussion on multi-modality awareness and UL rate control (Huawei)
2. R3-251780 Disccsion on NR XR Enhancements for others (CATT)
3. R3-251834 Discussion on XR rate control (vivo)
4. R3-252227 Discussion on XR UL Rate Control (Meta)
5. R3-252031 Discussion on XR Bitrate control over F1 (Ericsson)
6. R3-252250 Discussion on Rate Control Singalling over F1 Interface (China Telecom)
7. R3-252162 [TP for XR BL CR for TS 38.300, 38.413, 38.423, 38.473,37.483,38.415, 38.425, 38.420, 38.470] Rel-19 additional XR enhancements (ZTE Corporation)
8. R3-252160 Discussion on XR Enhancement with draft reply LS (ZTE Corporation)
9. R3-251737 [DRAFT] Reply LS on LS on uplink rate control (Nokia, Nokia Shanghai Bell)
10. R3-251523 LS reply on multi-modality awareness (SA2(Chinamobile))
11. R3-251733 Discussion on the new RAN3 related objectives (Nokia, Nokia Shanghai Bell)
12. R3-251846 Discussion on other aspects for NR XR enhancements (Samsung)
13. R3-251734 (TP to BL CR for TS 38.300) Addition of MMSID (Nokia, Nokia Shanghai Bell, Huawei, CMCC, ZTE, Lenovo)
14. R3-251855 (TP for XR BL CR for TS38.413) Addition of MMSID (Huawei, Ericsson, ZTE, Qualcomm, CMCC, Nokia, Nokia Shanghai Bell, CATT, China Telecom, Lenovo)
15. R3-252029 TP for XR BL CR for TS38.423) Addition of MMSID (Ericsson, Qualcomm, Huawei, CMCC, ZTE, Nokia, Nokia Shanghai Bell, CATT, China Telecom, Lenovo)
16. R3-252161 [TP for XR BL CR for TS 37.483] Addition of MMSID (ZTE Corporation, Ericsson, China Telecom, Qualcomm Incorporated, CMCC, CATT, Huawei, Nokia, Nokia Shanghai Bell, Lenovo)
17. R3-252038 (TP to BL CR for TS 38.473) Addition of MMSID (CMCC, Ericsson, Huawei, ZTE, CATT, Nokia, Nokia Shanghai Bell, Qualcomm, China Telecom, Lenovo)
18. R3-251673 Discussion on MMSID reception in gNB (NEC)
19. R3-251674 MMSID reception in gNB (NEC)
20. R3-252226 Discussion on Multi-modality Awareness for XR (Meta)
21. R3-251736 (TP to BL CR for TS 38.413) enhancement for available data rate report (Nokia, Nokia Shanghai Bell, CMCC, Huawei, CATT)
22. R3-251782 (TP to XR BL CR for 38.423) Support of available data rate report (CATT, Nokia, Nokia Shanghai Bell, CMCC, Huawei)
23. R3-252040 (TP to BL CR for TS 37.483) Support of Available Data Rate Report (CMCC, Nokia, Nokia Shanghai Bell, Huawei, CATT, Xiaomi)
24. R3-252143 (TP for XR BL CR for TS 38.473) Support of available data rate report (Huawei, Nokia, Nokia Shanghai Bell, CMCC, CATT)
25. R3-252036 (TP to BL CR for TS 38.415 ) Support of QoS Handling Enhancement and Exposure of Available Data Rate (CMCC)
26. R3-251854 (TP for XR BL CR for TS 37.340) Support for ECN marking status change (Huawei, CMCC, CATT, Nokia, Nokia Shanghai Bell, BT, Vodafone, ZTE, Lenovo)
27. R3-251781 (TP to XR BL CR for 38.423) Support of PDU set based QoS handling enhancement (CATT, Nokia, Nokia Shanghai Bell, CMCC, Huawei)
28. R3-251735 (TP to BL CR for TS 38.413) enhancement for DL PDU Set marking without PDU Set QoS, and Alternative PDU Set QoS with PSDB and PSER (Nokia, Nokia Shanghai Bell, CMCC, Huawei, CATT)
29. R3-252142 (TP for XR BL CR for TS 38.473) Support of PDU set based QoS handling enhancement (Huawei, Nokia, Nokia Shanghai Bell, CMCC, CATT)
30. R3-251757 R19 XR Signaling Enhancements (Qualcomm Incorporated)
31. R3-251631 Support of Multi-Modality Awareness for XR (Ofinno, LLC)
32. R3-251632 Support of Alternative PDU Set QoS for XR in DC scenario (Ofinno, LLC)
33. R3-251738 (TP to BL CR for TS 38.300) Support for Burst Size and TTNB (Nokia, Nokia Shanghai Bell)
34. R3-251830 Discussion on Multimodality and uplink congestion (CANON Research Centre France)
35. R3-251833 Discussion on multi-modality awareness for QoS flows (vivo)
36. R3-251847 (TP to BLCR for TS 38.473) NR XR enhancements (Samsung)
37. R3-251857 (TP for XR BL CRs) Discussion on the miscellaneous issues for XR (Huawei)
38. R3-251954 Discussion on XR Enhancements (Lenovo)
39. R3-251955 Discussion on bit rate control and unnecessary retransmission (Lenovo)
40. R3-252030 (TP for XR BL CR for TS38.413) Support of PDU Set QoS enhancement (Ericsson)
41. R3-252037 Support of Uplink Congestion Signalling and PDU Set Based QoS Handling Enhancement (CMCC)
42. R3-252039 (TP to BL CR for TS 37.483) Support of Alternative PDU Set QoS (CMCC, Nokia, Nokia Shanghai Bell, Huawei, CATT, Xiaomi)
43. R3-252108 (TP to TS 38.415) enhancement for BSSize, TTNB and available data rate (China Telecom, Nokia, Nokia Shanghai Bell)