3GPP TSG-RAN WG3 Meeting #125 R3-244770

Maastricht, Netherlands, 19 - 23 Aug 2024

Agenda Item: 21.2

Source: ZTE Corporation, China Telecom, Nokia, Nokia Shanghai Bell, Huawei, CATT, Ericsson, Samsung, Lenovo, CMCC

Title: (TP to BL CR for TS 37.340) Update on XR in DC

Document for: Text Proposal

# 1 Introduction

This paper is used to capture the agreements on XR.

# Text Proposal for BL CR TS 37.340

*CHANGES START*

13.x eXtended Reality Services

13.x.1 Overview

The eXtended Reality Services as described in TS 38.300 [3] is extended to address the NR-DC operation.

13.x.2 Awareness

During the SN Addition Preparation procedure and the MN initiated SN modification procedure, the MN may send the PDU Set QoS Parameters as part of the QoS profile to the SN to enable PDU Set based QoS handling.

The UE may report uplink assistance information (jitter range, burst arrival time, UL data burst periodicity) per QoS flow via UE Assistance Information to the MN or the SN as configured. If the SN receives the burst arrival time, the SN may use it by considering the SFN offset of the MN.

When the PDCP hosting gNB receives the End of Data Burst Indication from the UPF, it always provides the End of Data Burst Indication to the corresponding node when data transmission from the PDCP hosting node to the corresponding node is needed for the Data Burst.

13.x.3 PSI based Discarding

For MN terminated SCG bearer and split bearer, the MN notifies SN whether the UL PSI based SDU discarding is (re)configured/released for uplink discarding via XnAP signaling.

For SN terminated MCG bearer and split bearer, the SN notifies MN whether the UL PSI based SDU discarding is (re)configured/released for uplink discarding via XnAP signaling.

13.y ECN marking for L4S and congestion information exposure

The ECN marking for L4S and congestion information exposure as described in TS 38.300 [3] is extended to address the NR-DC operation.

For ECN marking for L4S at gNB or UPF, during the Xn SN Addition Preparation procedure or MN initiated SN Modification Preparation procedure, the MN provides the ECN marking request at gNB or ECN marking request at UPF to SN and SN reports the status indication back to the MN.

For congestion reporting from gNB to UPF, during the Xn SN Addition Preparation procedure or MN initiated SN Modification Preparation procedure, the MN provides the congestion information request to SN and SN reports the status indication back to the MN.

*CHANGES END*