3GPP TSG-RAN WG3 Meeting #122 R3-237863

**Chicago, USA, 13th – 17th Nov 2023**

Agenda Item: 15.2

Source: ZTE, CATT, Huawei, Nokia, Ericsson, Lenovo, Samsung, Qualcomm, CMCC

Title: (TP to MBS BL CRs for TS 38.401) Support of MBS reception in RAN sharing scenario

Document for: Discussions & Approval

# 1 Introduction

This TP follows discussions in R3-237895 with following agreement.

**For MOCN, CU-CP does not initiate Bearer Context Setup procedure towards CU-UP in case CU-CP decides to not establish NG-U tunnel for one MBS session. No stage3 impact is identified so far.**

**For multiple Cell-ID, introduce a class 2 DU initiated Transport Resource establishment procedure in F1AP which triggers the class 1 Broadcast Context Modification procedure from CU to establish F1-U.**

***MBS service area* IE only applied to location dependent service in 37.483.**

**Remove FFS in 38.401 on whether there is one to one mapping between one set of F1-U tunnels and one NG-U tunnel with the understanding that the standard shall consider the general case where F1-U tunnels can only be setup with a corresponding NG-U tunnel being established for the same PLMN/5GC.**

**Define *Associated Session ID* IE as Octet String and refer to *Associated SessionId* IE in TS 29.571.**

**Remove *Shared NG-U Not Established* IE in NGAP.**

# 2 Text Proposal

<<<<<<<<<<<<<<<<<<<< First Change >>>>>>>>>>>>>>>>>>>>

7.7.x.3 Support of resource efficiency for RAN Sharing with multiple cell-ID broadcast

gNB-DUs sharing the same physical cell resources receive via F1-C information enabling identifying broadcast MBS sessions providing identical content. The identification is based on Associated Session ID, for location dependent MBS services, the MBS Service Area is also taken into account.

Applying resource efficiency for RAN Sharing with multiple cell-ID broadcast

- resolve different QoS requirements received from the participating 5GCs in an implementation specific way.

- F1-U resources are established towards either all involved gNB-CUs or only some of them which is decided by the entity controlling the involved gNB-DUs sharing the same physical cell resources. gNB-DU is able to trigger gNB-CU-CP to establish F1-U resource.

- the gNB-CU-CP takes into account the decision F1-U resources have been established or not to decide whether to establish NG-U resources.

<<<<<<<<<<<<<<<<<<<< End of Changes >>>>>>>>>>>>>>>>>>>>