**3GPP TSG-RAN WG3 Meeting #110-e R3-206413**

**E-meeting, 2 - 12 Nov 2020**

**Title:** (TP to TS 38.401 BL CR) Bearer management over F1 and E1

**Source:** Huawei

**Agenda item:** 22.2.4

**Document Type:** other

# 1. Introduction

During the online discussion of RAN3#110 meeting, the following agreements were made for Bearer Management over F1/E1:

**About Shared F1-U tunnel:**

- **Use a shared F1-U tunnel for PTM transmission of an MBS radio bearer for an MBS Session**

**About F1-U transport establishment**

**- Support the method that gNB-DU assigns the DL F1-U GTP-U tunnel info, provides it to gNB-CU-CP and then gNB-CU-CP forwards it to gNB-CU-UP.**

**- FFS if IP multicast method is supported or not**

**About MBS Context**

**- Provide the MBS Session id, QoS profile from gNB-CU to gNB-DU**

**- Provide the MBS Session id, QoS profile from gNB-CU-CP to gNB-CU-UP**

**About MBS Bearer management**

**- F1/E1 MBS Bearer management procedure can be discussed, but details on e.g. information to signal are pending RAN2/SA2 progress**

In section 2, the TP to TS38.401 BL CR is provided.

# 2. Text proposal to TS 38.401 BL CR

***--------------------------------Start of the Next Change-----------------------------***

## 6.1 Overview

***//skip unchanged part***

### 6.1.x Overall Architecture of MBS

The NG-RAN node uses a shared F1-U tunnel between the gNB-CU and the gNB-DU for the PTM transmission of an MBS radio bearer for an MBS Session, the gNB-DU assigns the DL F1-U tunnel info and provides it to the gNB-CU-CP, and then the gNB-CU-CP forwards it to the gNB-CU-UP. It is FFS if IP multicast method is supported or not.

Upon receiving the MBS context (i.e. MBS Session id, QoS profile) from 5GC, the gNB-CU provides the context to the gNB-DU, and the gNB-CU-CP provides the context to the gNB-CU-UP.

***--------------------------------Start of the Next Change-----------------------------***

# 7 NG-RAN functions description

***//skip unchanged part***

## 7.x Support for MBS

The Support of MBS in non-split gNB case is specified in TS 38.300 [2].

***--------------------------------Start of the Next Change-----------------------------***

# 8 Overall procedures in gNB-CU/gNB-DU Architecture

***//skip unchanged part***

## 8.2 Intra-gNB-CU Mobility

### 8.2.1 Intra-NR Mobility

***//skip unchanged part***

***--------------------------------Start of the Next Change-----------------------------***

## 8.xx Overall procedures for MBS

The following clauses describe the overall procedures for MBS involving E1 and F1.

***--------------------------------End of the Changes-----------------------------***