**3GPP TSG-RAN WG3 Meeting #114-e *R3-21xxxx***

**E-meeting, 01-11 Nov. 2021**

**Title: [Draft] Reply LS (to S5-214652) on the F1 interface for MOCN network sharing for multiple Cell Identity broadcast scenario**

**Response to:**

**Release: Rel-17**

**Work Item:** MANS, FS\_MANS

Source: Huawei [to be RAN3]

**To: SA5**

**Cc:**

**Contact person:**

Name: Xudong Yang

Tel. Number: +86-21 3890808

E-mail Address: yangxudong@huawei.com

**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

**Attachments:** **None**

# 1 Overall description

RAN3 would like to thank SA5’s LS on the F1 interface for MOCN network sharing for multiple Cell Identity broadcast scenario.

Regarding the questions in the LS, RAN3 would like to give the following feedback:

**Issue#1**: Is either of the Common F1 interface or Dedicated F1 interface optional to implement?

**Answer to issue#1**:

Between two logical nodes, in case of F1 that is the gNB-DU and the gNB-CU, there exists always only one, single, unique interface instance at a time. The option for a common F1 interface instance is not part of 3GPP RAN specifications. RAN3 however specified in Rel-15 for RAN sharing with multiple cell-ID broadcast the additional option that the corresponding F1 interface instances share the same signalling transport.

Current specifications do neither mandate the support of any F1-C signalling transport option, nor is there any statement contained that an F1-C signalling transport option is only optionally supported.

**Issue#2**: Can both Common F1 and Dedicated F1 interface be supported simultaneously by same gNB?

**Answer to issue#2**:

Within the same logical gNB, a logical gNB-CU may be connected to a logical gNB-DU via an F1 interface instance using common signalling transport, whereas towards another logical gNB-DU dedicated signalling transport is used. Current specifications do not restrict such deployments, however, RAN3 would not be able to answer how relevant the simultaneous support of both options by a gNB-CU in real deployments actually is. RAN3 understand that it is up to network implementation and operator’s needs. RAN3 did not identify any specification impact for such a “simultaneous” support of both options, Common and Dedicated signalling transport for F1-C within a gNB-CU.

# 2 Actions

**To RAN1**

**ACTION:** RAN3 respectfully asks SA5 to take the above feedback into account.

# 3 Dates of next RAN3 meetings

3GPP TSG RAN3#115e 01/2022 E-Meeting

3GPP TSG RAN3#116e 02/2022 E-Meeting