**3GPP TSG-CT WG4 Meeting #110-eC4-223303**

**E-Meeting, 12th – 20th May 2022**

**Title: LS on Support of a Broadcast MBS Session with AMF Set deployed**

**Response to:**

**Release:** **Rel-17**

Work Item: 5MBS

Source: CT4

To: RAN3

cc:

Contact Person: Frank Yong Yang

E-mail Address: frank.yong.yang@ericsson.com

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

**Attachment: None**

**1. Overall Description:**

CT4 has discussed possible impact on a Broadcast MBS Session for an AMF failure without restart when this AMF pertains to a AMF set.

CT4 assumes, when the AMF set or backup AMF as specified in 5.21 of 3GPP TS 23.501 is deployed, the NG-RAN shall be able to accept any subsequent Broadcast Session Modification or Release Request message for a Broadcast MBS Session via another AMF other than the AMF which sent the Broadcast Session Setup Request message for the same Broadcast MBS Session, if the alternative AMF pertains to the same AMF set as the old AMF does.

Likewise, CT4 also assumes, when the AMF set or backup AMF as specified in 5.21 of 3GPP TS 23.501 is deployed, the NG-RAN shall be able to accept any subsequent Multicast Session Update or Deactivation Request message for a Multicast MBS Session via another AMF other than the AMF which sent the Multicast Session Activation Request message for the same Multicast MBS Session, if the alternative AMF pertains to the same AMF set as the old AMF does.

**Question 1:** CT4 would like to RAN3 to confirm if CT4's assumption is correct.

--------------

CT4 also discussed possible solutions for a local link failure, where the NG-C link is failed between a NG-RAN and one of AMF in a AMF set, while the NG-RAN is still able to communicate with other AMFs in the same AMF set. CT4 didn't reach consensus if such local link failure is a common failure scenario which should be addressed in 3GPP when the AMF set or backup AMF as specified in 5.21 of 3GPP TS 23.501 is deployed.

**Question 2:** CT4 would like to get feedback if such local link failure should be addressed.

--------------

**2. Actions:**

**To RAN3:**

**ACTION:** CT4 kindly requests RAN3 to provide responses to above questions.

# 3. Dates of next CT4 meetings

The upcoming CT4 meetings can be found in the [CT4 Meetings calendar](https://www.3gpp.org/dynareport/Meetings-C4.htm?Itemid=294)