**3GPP TSG-SA WG6 Meeting #54-e S6-231581**

**17th – 26th April 2023 (revision of S6-23xxxx)**

**Title: [Draft] LS on MBS service area update clarification**

**Response to:**

**Release: Rel-18**

**Work Item: MCOver5MBS, eSEAL2**

**Source:** 3GPP TSG SA WG6

**To:** 3GPP TSG SA WG2, 3GPP TSG CT WG4, 3GPP TSG CT WG 3

**Cc:**

**Contact person: Yanmei Yang – yangyanmei@huawei.com**

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

**Attachments:**

# Overall description

In public safety and verticals scenarios, the service area may be changed due to the mobility of the group members. SA6 has concerns that failure may occur once the AF triggers the MBS session update with a new MBS service area, i.e., during the MBS service area update, the AF may receive the following error described in 3GPP TS 29.522 in Table 5.20.7.3-1:“*UNKNOWN\_MBS\_SERVICE\_AREA”.*

##### *4.4.29.3.3 Procedure for MBS session update*

*……*

*At the reception of this HTTP PATCH request for MBS session modification:*

*- ……*

*- if MBS session authorization is successful or when the NEF does not interact with the PCF, the NEF shall interact with the MB-SMF to request the modification of the corresponding MBS session at the MB-SMF as specified in 3GPP TS 29.532 [52];*

SA6 would like to ask SA2, CT3 and CT4 the following questions:

Q1. SA6 would like to ask SA2 whether the AF/NEF will interact with the NRF to re-select the capable MB-SMF during the MBS session update with requested MBS service area?

Q2. SA6 would like to ask CT3 and CT4 to clarify the scenario(s) when the error “*UNKNOWN\_MBS\_SERVICE\_AREA 404 Not Found* *The requested MBS service area (e.g. identified by the Area Session ID) cannot be found.”* in 3GPP TS 29.522 can occur? Is the MBS service area not found in MB-SMF, NRF or NEF? Can it occur during MBS session update?

Q3. SA6 would like to ask SA2 to confirm whether the scenarios described above from SA6, CT4 and CT3 can occur during MBS session update. If yes, what are the mechanism(s) defined by SA2 to be employed to overcome an MBS session update failure?

# 2 Actions

**To <SA2, CT3, CT4>**

**ACTION: SA6 kindly asks SA2, CT3 and CT4 to consider above questions and provide the feedback.**

# 3 Dates of next TSG SA WG 6 meetings

SA6#55 22nd May – 26th May 2023 Berlin, Germany

SA6#56 21 – 25 August 2023 Gothenburg, Sweden