**3GPP TSG-RAN3 Meeting #110-e R3-207106**

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

**Title:** Further discussion on the scenarios for network slice service continuity

**Source:** Huawei, LGU+

**Agenda item:** 17.2

**Document Type:** Discussion and Decision

# Annex – TP

## 6.1 Scenario and issue description

*Editor Note: capture the description of scenario and issue.*

*Editor’s Note: The proposed scenarios listed in this clause remain to be evaluated and updated.*

<Unchanged Texts Omitted>

**Scenario 3: Moving back for slice resource shortage in case of Intra-RA mobility and Inter-RA mobility**



Figure 6.1-3: Moving back scenario due to slice resource shortage

This is a continuation scenario of scenario 1. As shown by Figure 6.1-3, the UE’s ongoing slice(s) is/are supported by both the source and the target NG-RAN node. At the time of handover, the source node may serve at least one of the S-NSSAIs with degraded performance, or already rejects at least one of the S-NSSAIs, due to e.g., high slice-related load at the source node. Meanwhile the target node can fully support these S-NSSAIs.

**Scenario 4: Moving back for non-supported slice in case of Inter-RA mobility**



Figure 6.1-4: Moving back scenario due to slice not supported

This is a continuation scenario of scenario 2. As shown by Figure 6.1-4, at the time of handover, the source node may serve the UE with at least one of the S-NSSAIs not supported by the target node. The UE is moving towards an area that supports at least one of UE’s these slices.

**Scenario 5: Slice resource shortage for MR-DC**



Figure 6.1-5: Service interruption due to slice resource shortage in SN

As shown by Figure 6.1-5, the UE’s ongoing slice(s) is/are supported by both the MN and the SN. However, in case of SN addition or modification procedure, the SN fails to accept the UE with at least one of the ongoing S-NSSAIs due to e.g., high slice-related load at the SN. Under such circumstance, the services associated with these ongoing slices may be interrupted at the SN side.