**3GPP TSG-SA/WG2 Meeting #138E *S2-200xxxx***

**Elbonia, 20 – 24 April, 2020**

**Source: ZTE, Intel**

**Title: New key issue: Service continuity across network slices**

**Document for: Agreement**

**Agenda Item: 8.8**

**Work Item / Release: FS\_eNS\_Ph2 / Rel-17**

***Abstract of the contribution:*** *This contribution* *proposes a new key issue to study the mechanism to support service continuity across network slice.*

# 1 Introduction

Based on the SID RP-193254 [1], the following objective can be found

* Study necessity and mechanisms to support service continuity, including [RAN3]
  + For intra-RAT handover service interruption, e.g. target gNB doesn’t support the UE’s ongoing slice, study slice re-mapping, fallback, and data forwarding procedures. Coordination with SA2 is needed.

There is no current key issue covers the service continuity part. This contribution proposes a new key issue to study the mechanism to support service continuity across network slice

# 2 Proposal

It is proposed to agree the following changes in TR 23.700-40.

\*\*\*\*\*\*\*\*\*\*\*\*\* Start Changes \*\*\*\*\*\*\*\*\*\*\*\*\*

## 5.4 Key Issue #n: Support for service continuity across different network slices

### 5.4.1 General Description

An S-NSSAI may not be supported homogenously within 5G network of a PLMN. When the UE moves around, intra-RAT handover may be triggered, if the target AMF or gNB does not support an S-NSSAI associated to one of the UE’s PDU Sessions, the S-NSSAI will be rejected by the target AMF or gNB according to Rel-15 and 16 5GS design, which will interrupt the service continuity and cause bad user experience.

This key issue will study:

- whether and how to support service continuity for intra-RAT handover (i.e. Xn based handover and N2 based handover) when the target gNB doesn’t support the UE’s ongoing PDU Session associated to a network slice.

NOTE: The solution should cover both LBO and Home-routed roaming scenarios.

Editor’s note: Coordination with RAN3 is needed

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End Changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*