**3GPP TSG-CT WG4 Meeting #111-eC4-224abc**

**E-Meeting, 18th – 26th August 2022**

Title: LS on Slice Mapping Information Change in NSSF

Response to:

Release: Release 18

Work Item: TEI18

Source: CT4

To: SA2

Cc:

**Contact Person:**

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Attachments:

**1. Overall Description:**

As specified in 3GPP TS 23.502, the AMF may retrieve the Slice information for the UE during registration. For roaming UE, the mapping of slices in serving PLMN and slices in HPLMN is also returned.

The Slice Mapping Information may be updated, e.g. certain slices in the HPLMN is no longer allowed in serving PLMN, or some slices in the HPLMN is mapped to new slices in the serving PLMN. When such changes happened, certain allowed S-NSSAIs in serving PLMN already assigned to the UE may no longer be valid for the UE or certain allowed S-NSSAIs should be replaced with S-NSSAIs for the UE. In current standard, there is no way for AMF to get these Slice Mapping Infomration change. As a result, the UE will continue using the outdated S-NSSAIs assigned and the service associating with S-NSSAIs no longer valid will fail.

Certain protocol improvement may help on the above issue, e.g. to allow AMF subscribe to NSSF for slice mapping information change and get notified when changes happen. CT4 would like to ask SA2 to kindly consider the above issue and give feedbacks on the way for potential improvements.

**2. Actions:**

**To SA3 group.**

**ACTION:** CT4 would like to ask SA2 to kindly consider the above issue and give feedbacks on the way for potential improvements.

**3. Date of Next CT4 Meetings:**

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