**3GPP TSG-CT3 Meeting #123e C3-224496**

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

Title: UE Policy Control with PCF re-selection during AMF relocation

Response to: -

Release: Release 15/16/17

Work Item: 5GS\_Ph1-CT

Source: CT3

To: SA2

Cc:

**Contact Person:**

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Attachments: None

**1. Overall Description:**

As already specified in Rel-15 in TS 23.502, 4.16.11, during AMF relocation procedure with PCF reselection, the AMF can create a new UE Policy Association in the selected PCF.

CT3 has detected that during this procedure, the UE does not include a UE Policy Container with the UE STATE INDICATION message indicating the stored PSIs, and hence, at the reception of the UE Policy Association creation request, the PCF interprets that the UE does not store any UE Policy section.

In this case, if the UE stored, due to a previous UE Policy Provisioning request, e.g. UE\_PolicySection\_1, UE\_PolicySection\_2 and UE\_PolicySection\_3, and the PCF for the new AMF determines that only e.g. UE\_PolicySection\_1 and UE\_PolicySection\_3 apply, the PCF will provide to the UE the UE\_PolicySection\_1 and the UE\_PolicySection\_3 (which is unnecessary, because they are already stored in the UE) and the PCF will not be able to remove UE\_PolicySection\_2 in the UE (which was the only required action in this example).

After this procedure, the UE will remain misconfigured until any trigger makes the UE can invoke a 5GS Initial Registration with a UE STATE INDICATION message including the stored PSIs. Meanwhile, the PCF will not reflect either the actual PSIs stored in the UE.

**Question**: How could the UE Policy Provisioning procedure during AMF-relocation with PCF re-selection be updated to ensure a proper UE configuration?

**2. Actions:**

**To SA2 group.**

**ACTION:** CT3 kindly asks SA2 to respond the question above.

**3. Date of Next CT3 Meetings:**

3GPP TSG CT3#124e 10/2022 E-Meeting

3GPP TSG CT3#125 11/2022 (TBC)