3GPP TSG SA WG 1 Meeting #104 S1-233078draft1

Chicago, USA, 13 - 17 November 2023

**Title: Reply LS on requirements for** **slice-based PLMN selection**

**Response to: LS S1-233012 on requirements for slice-based PLMN selection from CT WG1**

**Release: Rel-18**

**Work Item:** PLMNsel\_NS

**Source: SA1**

**To: CT1**

**Cc: SA2, CT, SA**

**Contact person: Kurt Bischinger**

**kurt.bischinger@magenta.at**

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

**Attachment: CR #0730 to TS 22.261 V18.11.0**

# 1 Overall description

SA WG1 thank CT WG1 for their LS S1-233012 asking SA1 for clarification and guidance with regards to the requirement related to slice-based PLMN selection as defined in 3GPP TS 22.261 as follows:

*For a roaming UE activating a service/application requiring a network slice not offered by the serving network but available in the area from other network(s), the HPLMN shall be able to provide the UE with* *prioritization information of the VPLMNs with which the UE may register for the network slice.*

After discussion SA1 would like to provide the following answers to the questions raised by CT1:

**Question 1**:

*Would SA1 be able to provide any additional guidance regarding Scenario 1? In particular:*

1. *Whether the "prioritization information" defines priorities between the PLMNs or between the slices?*
2. *If the answer to a) is “between the slices”, should the prioritization of slices be determined by the network or by the UE?*

**Answer 1:**

1. The prioritization information defines priorities between the PLMNs. Please see attached CR for further information.
2. N.a.

**Question 2:**

*Should a slice determined according to Scenario 2 be considered as being offered by the serving network or not? If yes, then is the slice determined from the non-default URSP rule to be considered as higher priority than the slice determined from the default URSP rule?*

**Answer 2:**

SA1 has agreed the attached CR to clarify the requirement.

Whether the match-all URSP rule should be regarded as serving the service/application is determined by the HPLMN. For services/applications for which the match-all URSP rule applies, a URSP rule with the "match all" Traffic descriptor shall be evaluated last.

**Question 3:**

Would SA1 be able to provide any additional guidance regarding the interaction between legacy PLMN selection prioritization and new prioritization information for slice based PLMN selection? In particular:

1. which list has a higher priority while performing PLMN selection?
2. does the trigger to perform SOR apply when the UE uses slice-based PLMN selection?

**Answer 3:**

SA1 has agreed the attached CR to clarify the requirement.

1. As long as the specific application that has triggered the slice based PLMN selection is active, the new prioritization information has priority. Once the application is concluded, legacy PLMN selection has higher priority.
2. Yes. The HPLMN can control the applicability with the SOR-CMCI.

# 2 Actions

**To CT1**

**ACTION:** SA1 kindly ask CT1 to take the provided responses above and the attached CR into account.

# 3 Dates of next TSG SA WG 1 meetings

SA1#105 26 Feb -01 Mar 2024 Athens, GR

SA1#106 27-31 May 2024 Korea, Jeyju