3GPP TSG SA WG 1 Meeting 95-e S1-213207

Electronic Meeting, 23 August –2 September 2021

**Title: Reply LS on Indication of country of UE location and its use in PLMN selection**

**Response to: LS C1-214778 on Indication of country of UE location and its use in PLMN selection from CT1**

**Release: Release 17**

**Source: SA1**

**To: CT1**

**Cc: SA2, SA3-LI**

**Contact person: Toon Norp**

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

**Attachments:** None

# 1 Overall description

SA1 thanks CT1 for their LS on Indication of country of UE location.

On the CT1 questions, SA1 provides the following answers:

*1) Should the indication of UE location represent a "country" in the manner a "country" is defined in TS 23.122, or should the "country" be the TR 22.926 definition of "a country is defined as the area embedded within a set of borders and for which a unique set of regulations applies for the provision of communication services through mobile networks"?*

**Answer SA1**: The 23.122 definition is based on the ITU E.212 definition that implies that an MCC indicates “a country, a group of countries in an integrated numbering plan, or a specific geographic area”. As the indication of country of UE location stems from the SA3 LI requirement (i.e. related to regulatory aspects) the 22.926 definition would be more suitable. Note that an MCC does NOT indicate a specific political country, nor does it identify an area with a uniform set of regulations. Unfortunately, there is no suitable list of countries according to TR 22.926 nor are there suitable identifiers; therefore MCCs will have to be used. However, CT1 should take into account the constraints of an MCC not identifying a uniform set of regulations.

*Further CT1 would like to ask SA1's guidance on the usage/applicability, if at all, of the indicated country of UE location, in the subsequent PLMN selection, i.e. shall it be considered by the UE:*

*2) that the UE is not allowed in the current geographical position to select any PLMN which does not correspond to the indicated country of UE location; or*

**Answer SA1**: No, the UE is allowed to select and attempt access to any PLMN, also PLMNs that do not correspond to the indicated country of UE location. 3GPP SA1 does not have other requirements on PLMN selection that those already in 22.011.

*3) the UE might select available and allowable PLMNs of that indicated country and other countries.*

**Answer SA1**: Yes. Note specifically that also shared MCC (e.g. MCC=901) should be allowed

# 2 Actions

**To CT1**

**ACTION:**  SA1 invites CT1 take the above information into account

# 3 Dates of next TSG SA WG 1 meetings

SA1#96e 8-18 Nov 2021 Electronic Meeting

SA1#97e 21-25 Feb 2021 Poland