**TSG SA Meeting #91 (e-meeting) SP-210130**

**18-26 March 2021, Electronic meeting**

**Title: [DRAFT]** **Reply LS on MulteFire PLMN-ID**

**Reply to:** **LS on MulteFire PLMN-ID**

**Release: Release 16**

**Work Item: N/A**

**Source:** SA

**To:** MulteFire Alliance

**Cc:** RAN, CT

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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

TSG SA thanks MulteFire Alliance (MFA) on the LS on MulteFire Alliance PLMN-ID. The LS states a condition from the ITU-T for using the MFA PLMN-ID in networks that based on technical standards that were developed by 3GPP:

“If the requested resources will be used in networks that are based on technical standards or specifications developed by another ROIO/SDO, the applicant shall affirm and provide evidence that there exists mutual consent between the applicant and the other ROIO/SDO regarding the usage of the requested resources for the ROIO/SDO-specified networks”

**Question**: MFA would like to ask for 3GPP to confirm the potential use of the MFA PLMN-ID on 3GPP NR Private Networks.

[**TSG SA answer**]: It is not within 3GPP mandate to give a consent to MFA or other organizations to use their PLMN-ID on 5G NR private networks. However, 3GPP TSG SA can confirm that in current 3GPP specifications, there is no limitation to use any PLMN-ID for SNPNs. Since release 16, the following related text is defined in TS 23.501 clause 5.30.2.1:

#### *5.30.2.1 Identifiers*

*The PLMN ID used for SNPNs is not required to be unique*

*NOTE 1:The PLMN ID used for SNPNs is not required to be unique. PLMN IDs reserved for use by private networks can be used for non-public networks, e.g. based on mobile country code (MCC) 999 as assigned by ITU [78]). Alternatively, a PLMN operator can use its own PLMN IDs for SNPN(s) along with NID(s), but registration in a PLMN and mobility between a PLMN and an SNPN are not supported using an SNPN subscription given that the SNPNs are not relying on network functions provided by the PLMN.*

[…]

Given the above 3GPP TSG SA would like to stress other PLMN-ID, e.g. the PLMN IDs with MCC 999, are equally valid options for 5G SNPN deployments. TSG SA also assumes as stated in the incoming LS by MFA, that MFA will adopt NR and 5GS technology for Private Networks based on 3GPP specifications. TSG SA would like to confirm with MFA for this assumption. Futher more TSG SA would like to ask MFA to clarify the rules for usage of the PLMN-Id if any 3GPP members want to use the MFA PLMN-ID.

# 2 Actions

**To MulteFire Alliance**

**ACTION:** TSG SA asks MulteFire Alliance to take the above information into account and to confirm that MFA will adopt NR and 5GS technology for private network based on 3GPP specifications without modification.

TSG SA would also like to ask MFA to clarify the rules for usage of the PLMN-Id if any 3GPP members want to use the MFA PLMN-ID.provide any feedback if needed in any of the statements above.

# 3 Dates of next TSG SA meetings

See latest meeting information in this webpage: <https://www.3gpp.org/DynaReport/Meetings-SP.htm>