**3GPP TSG-SA5 Meeting #138-e *S5-214179rev1***

**e-meeting, 23 - 31 August 2021**

**Source: Huawei**

**Title: Add requirements for management of SNPN**

**Document for: Approval**

**Agenda Item: 6.4.1**

# 1 Decision/action requested

***Discuss and approve on the proposal.***

# 2 References

[1] TS 28.557 Management of non-public networks; Stage 1 and stage 2 v0.5.0

# 3 Rationale

To manage an SNPN which is a 5GS (i.e. NG-RAN and 5GC) that can be optionally complemented with other access networks based on non-3GPP technologies (i.e. IEEE Wi-Fi), the standalone SNPN management system needs a dedicated NPN identifier. The combination of a PLMN ID and Network identifier (NID) is used to identify an SNPN. See further details in clause 4.4 of TS 28.557 [1].

It is proposed to add corresponding requirements for management of SNPN in draft TS 28.557 [1].

# 4 Detailed proposal

This document proposes the following changes in TS 28.557 [1].

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| **1st Change** |

### 5.2.2 Requirements for management of SNPN

**REQ-SNPN-FUN-01** The 3GPP management system shall have the capability to support standalone operation of an SNPN.

**REQ-SNPN-FUN-02** The 3GPP management system shall have the capability to support management of dedicated NPN identifier (i.e. combination of a PLMN ID and a Network identifier (NID) which is used to identify an SNPN.

**REQ-SNPN-FUN-03** The 3GPP management system shall have the capability to configure NID which consists of an assignment mode and an NID value.

**REQ-SNPN-FUN-0X** The 3GPP management system shall have the capability to configure an NR cell for the support of SNPN, by configuring a gNB (gNB-DU in NG-RAN split deployment scenarios) with a list of served NIDs per PLMN Identity.

**REQ-SNPN-FUN-0Y** The 3GPP management system shall have the capability to interwork with one or more non-3GPP management systems to support the operation of a SNPN which includes 3GPP and non-3GPP segments.

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| **End of change** |