**3GPP TSG-SA5 Meeting #138-e *S5-214180rev1***

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

**Source: Huawei**

**Title: Add requirements for management of PNI-NPN**

**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

Based on the concepts and use case of management of PNI-NPN, it is proposed to add corresponding requirements for management of PNI-NPN 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** |

### 5.2.3 Requirements for management of PNI-NPN

**REQ-PNIN-FUN-01** The 3GPP management system shall have the capability to collect NPN UE related data which may include MDT data and trace data.

**REQ-PNIN-FUN-02** The 3GPP management system shall have the capability to provide NPN UE related data to authorized NPN service customer according to pre-defined agreements.

**REQ-PNIN-FUN-03** The 3GPP management system should have the capability to support assignment and maintenance of CAG ID which identifies the CAG cells.

**REQ-PNIN-FUN-04** The 3GPP management system shall have the capability to configure a NR cell to support PNI-NPN, by configuring a gNB (gNB-DU in NG-RAN split deployment scenarios) with a list of serving CAGs per PLMN Identity.

**REQ-PNIN-FUN-05** The 3GPP management system should have the capability to manage the list of UEs that are allowed on the corresponding CAG.

**REQ-PNIN-FUN-06** The 3GPP management system should have the capability to configure access policy of CAG cells.

NOTE: The access policy of CAG cells includes such as allowed days/time slots for NPN UEs that are allowed on the corresponding CAG cells.

**REQ-PNIN-FUN-0X** The 3GPP management system shall have the capability to provision a PNI-NPN using a network slice, and make this slice available for the vertical by means of Network Slice as a Service (NSaaS) model (see clause 4.1.6 from TS 28.530 [70]).

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| **End of change** |