**3GPP TSG-SA5 Meeting #132e *S5-204275rev1***

**e-meeting 17th 28th August 2020**

**Source: Huawei**

**Title: Add concept of NPN**

**Document for: Approval**

**Agenda Item: 6.5.4**

# 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 v0.0.0

[2] TR 28.807 Study on management aspects of non-public networks v16.0.0

# 3 Rationale

It is proposed to add concept in draft TS 28.557 [1] based on the corresponding content in TR 28.807 [2].

# 4 Detailed proposal

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

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| **1st Change** |

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[U] 3GPP TS 23.501: "System architecture for the 5G System (5GS)".

[X] 3GPP TS 28.530: "Concepts, use cases and requirements".

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| **Next Change** |

# 4 Concepts and overview

## 4.1 Overview

A Non-Public Network (NPN) is a 5GS deployed for non-public use, see TS 23.501 [U]. In contrast to public networks that offer mobile network services to the general public, non-public networks are intended for the sole use of a private entity such as a college or an enterprise. Non-public networks may be deployed on the entity's defined premises such as a campus or a factory to provide coverage within a specific geographic area.

An NPN may be deployed as:

- a Stand-alone Non-Public Network (SNPN), i.e. operated by an NPN operator and not relying on network functions provided by a PLMN; or

- a Public network integrated NPN (PNI-NPN), i.e. a non-public network deployed with the support of a PLMN.

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