**3GPP TSG-SA5 Meeting #133e *S5-205203rev1***

**e-meeting 12th - 21st October 2020**

**Source: Huawei, Telefónica S.A.**

**Title: Add generic management aspects**

**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 v0.1.0

# 3 Rationale

It is proposed to add generic management aspects 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** |

## 4.3 NPN management aspects

### 4.3.1 Specific management aspects

Comparing with traditional management of PLMN, management of NPN has the following specific aspects:

* Assurance for diversified SLA requirements: The diversified SLA requirements from different kinds of vertical industries need to be guaranteed, e.g. manufacturing industry and medical care need ultra-reliable low-latency wireless connectivity and indoor, outdoor or hybrid coverage NPN deployments.
* Support of different O&M models: an O&M model allows specifying who is responsible for managing what part of the network. The various NPN scenarios, with a number of vertical use cases and a plenty of deployment variants, in some cases may lead to the definition of different O&M models.
* Management capability exposure: this expresses the ability of an NPN-SP to expose some management capabilities, such as performance and KPIs monitoring and provisioning management capabilities, to the corresponding NPN-SC. The NPN-SP makes the selected NPN management capabilities available through well-defined APIs to allow the NPN-SC to consume these capabilities, as well as extending them with their own operation and maintenance systems, if needed. NPN-SC may provide their business objectives by intents and policies management to NPN-SP and no need to focus on detailed configuration parameters of NPNs.

### 4.3.2 UE related management aspects

### 4.3.3 NG-RAN related management aspects

### 4.3.4 5GC related management aspects

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| **End of change** |