3GPP TSG SA WG5 Meeting 135-e TDoc S5-211141rev1

electronic meeting, online, 25 January - 3 February 2021

**Source: Huawei**

**Title: Collecting UE related data and providing to authorized NPN service customer**

**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 v0.2.0

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

# 3 Rationale

It is proposed to add the content of collecting UE related data and providing to authorized NPN service customer in draft TS 28.557 [1] following the discussion result reached 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** |

### 4.3.2 UE related management aspects

#### 4.3.2.X Collecting UE related data and providing to authorized NPN service customer

UEs under service of NPN may have various forms, such as phones or PCs or IoT terminals, some of them are assets of the NPN service customer. UE related data including UE locations, measurements, etc. is required by the NPN service customer to help their own business in some cases. Such UE related data is easier or more cost-efficient to be acquired by NPN UEs compared with being acquired by other methods e.g. by add-on devices or applications. For example, healthcare industry NPN customers require location information of their NPN UEs applied in mobile medical machines for asset management; enterprise NPN customers require location information of the NPN UEs of their employees for attendance management.

In this case, 3GPP management system may need to collect UE related data and provide to authorized NPN service customer. Such collected UE related data are generated by management services which are defined and implemented in 3GPP system, such as:

- MDT data, including immediate MDT, logged MDT, RLF reports, accessibility measurements.

- Trace data, to track traffic process of UEs and locate possible causes of traffic problems for example.

Furthermore, according to pre-defined agreements among the NPN stakeholders, some specific UE related data can be provided to authorized NPN customer, e.g. to promote their positioning ability or evaluate QoE. Such data may be processed or masked based on collected data such as MDT or trace. For example, GNSS information can be extracted from MDT data to locate assets in NPN.

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| **End of change** |