**3GPP TSG-SA5 Meeting #156 *S5-244689***

**Maastricht, Netherlands 19 - 23 August 2024 revision of S5-243752**

**Source: Huawei, Nokia**

**Title: pCR TR 28.915 Update potential uses of NDT**

**Document for: Approval**

**Agenda Item: 6.19.5**

# 1 Decision/action requested

***The group is asked to discuss and agree on the proposal.***

# 2 References

[1] 3GPP TR 28.915: " Study on management aspects of Network Digital Twin"

# 3 Rationale

It’s proposed to update the description of potential uses of NDT in clause 4.3 of [1] according to existing use cases for NDT.

# 4 Detailed proposal

This document proposes the following changes in TR 28.915.

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| **1st Change** |

## 4.3 Potential uses of NDTs

NDTs may support many use cases in network management and automation. In all the use cases, NDTs provide modelling capabilities that are then applied by the network management and automation functions or applications to achieve the desired outcomes.

Use cases where NDT may provide support include:

- Verification

- RAN energy saving policy verification (see clause 5.1)

- Signalling storm configuration verification (see clause 5.2)

- Emergency preparedness (see clause 5.3)

- Configuration verification (see clause 5.9)

- Visualization

- Network topology and traffic visualization (see clause 5.8)

- Prediction

- Network failure and risk prediction (see clause 5.4)

- Simulated data generation

- ML model training data generation (see clause 5.6)

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| **End of change** |