**3GPP TSG-SA5 Meeting #162 *S5-253434***

Goteborg, Sweden, 25 - 29 August 2025

**Source: Huawei, Ericsson**

**Title: Rel-19 pCR TS 28.561 Update description for NDT supporting network automation**

**Document for: Approval**

**Agenda item: 6.19.5.1**

**Spec: 3GPP TS 28.561**

**Version: 1.0.0**

**Work Item: NDT**

**Comments**

The performance data represented by attribute simulationData contained in NDTInputDescription can not only be used to describe a network issue/event, but also describe the required NDT network performance output. This contribution is proposed to update related description.

**Proposed Changes**

\* \* \* First Change \* \* \* \*

#### 5.2.2.1 General capabilities on NDT support for network automation

An NDT, depending upon the network or service management use case and scenario to be modelled, might need data originating from various sources (network data, environment data, analytic, UEs data) and suitable hardware/software resources to function properly. MnS consumers would need to specify needed NDT characteristics or configurations to the NDT tailored to fulfil consumer specific needs i.e., to define the consumer preference for the specific NDT. For example, consumer preferences may be related to environment data sources e.g., weather, synthetic data etc, data characteristics (e.g., robustness, data granularity, maximum tolerable latency), required NDT output (e.g., latency), characteristics of the service to be twinned, resource constraints (HW/SW), etc. Furthermore, in the case that consumer's preference on NDT characteristics or configuration may change over time and MnS consumer may update the NDT with the needed changes.

The achieved performance by NDT may depend on NDT characteristics such as load, time or energy saving state. This means that the simulation results would change based on the network load, the target time of the day, or on whether the simulated node is running in energy saving mode. The NDT report should indicate the performance for the respective configured NDT characteristics. The network performance, such as latency, throughput, etc., contained in the NDT report can be used by the NDT MnS Consumer to evaluate the network performance of the modelled scenario.

The automation scenarios that the NDT might support are described in following sub-clauses.

\* \* \* End of Changes \* \* \* \*