**3GPP TSG-SA5 Meeting #132e S5-204255**

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

**Source: Huawei**

**Title: Add missing abbreviations**

**Document for: Approval**

**Agenda Item: 6.6.3**

# 1 Decision/action requested

***The group is asked to approve the proposal.***

# 2 References

[1] 3GPP TR 28.809 v0.4.0: “Study on enhancement of Management Data Analytics (MDA)”

# 3 Rationale

Some abbreviations in [1] are not defined in TR 21.905 and must be defined in this document.

# 4 Detailed proposal

This contribution proposes to make the following changes in [1].

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| **1st Change** |

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

AI Artificial Intelligence

MDA Management Data Analytics

MDAS Management Data Analytics Service

ML Machine Learning

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| **2nd Change** |

## 4.1 Overview

The Management Data Analytics is defined in TS 28.550 [2] and has also been mentioned by various other technical specifications and reports including for example TS 28.533 [3], TS 28.530 [4], TR 28.861 [5] and TR 28.805 [6].

The MDA provides a capability of processing and analysing the raw data related to network and service events and status (e.g., performance measurements, Trace/MDT/RLF/RCEF reports, QoE reports, alarms, configuration data, network analytical data, and service experience data from AFs, etc.) to provide analytics report (including recommended actions) to enable the necessary actions for network and service operations.

The MDA, in conjunction with Artificial Intelligence (AI) and Machine Learning (ML) techniques, brings intelligence and automation to the network service management & orchestration.

MDA can help to perform management tasks in preparation, commissioning, operation as well as in the termination phases. For example, MDA can support service provisioning by preparing service catalogues, evaluating network requirements for a new service and carrying out feasibility check. During operation phase, the MDA can identify ongoing issues impacting the performance of the network and service, and discover in advance the potential issues that would cause potential failure and/or performance degradation. The MDA can also assist to predict the network and service demand to enable the timely resource provisioning and deployments which would allow fast time-to-market network and service deployment.

The MDAS can be consumed by various consumers, for instance the MFs (i.e., MnS service producers/consumers for network and service management), NFs (e.g., NWDAF), SON functions, network and service optimization tools/functions, SLS assurance functions, human operators, and AFs, etc.

The MDA is an enabler for the automation and cognition of the network and service management & orchestration.

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| **End of changes** |