3GPP TSG SA WG5 Meeting 138-e S5-214265

electronic meeting, online, 23 - 31 August 2021

**Source: Nokia**

**Title: Add MDA Production and Reporting Overview**

**Document for: Approval**

**Agenda Item: 6.4.18**

# 1 Decision/action requested

This contribution is for approval.

# 2 References

[1] TR 28.809 Management and orchestration; Study on enhancement of Management Data Analytics (MDA).

# 3 Rationale

This contribution introduces the MDA concepts overview, which can be applicable to all analytics use cases described in [1].

# 4 Detailed proposal

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| **1st Modified Section** |

## 4.Y MDA Production and Reporting Overview

MDA MnS producer is responsible for providing analytics for a wide variety of use cases [1]. Analytics relates with the analysis on data to produce an insight that helps improve the quality of a hypothesis. This can be applicable to multiple use cases. Analytics use cases concetrate on a specific problem of a hypothesis for which analysis may be undertaken.

Several MDA MnS consumers may request to receive MDA reports from an MDA MnS producer via the means of the MDA Service, i.e., an interface that facilitates interaction among the MDA MnS producer and MDA MnS consumer.

The MDA MnS producer creates upon receiving a MDA request from a MDA MnS consumer, a MDA reporting control that allows the MDA MnS consumer to control the content of the MDA report. Each MDA reporting control can be associated with a single MDA MnS consumer, i.e. each MDA MnS consumer uses a different MDA reporting control.

The MDA report may include the analytics context information and the output results,. The output results may contain numeric results and/or recommendation options and/or root cause analysis. The MDA report may contain a common part that is the same for all the use cases and a part whose presence depends on the specific use case being addressed.

The MDA reporting control relates to one or more MDA models. The MDA model consist of a proprietary algorithm or function.

The MDA model produces statistics or predictions for numeric results or recommendation options or root cause analysis. A MDA model may reside inside a Management Data Analytics Function (MDAF), but this is not essential, i.e., a MDAF may also act as a proxy. The way a MDAF is formulated is implementation specific.



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| **End of Modified Sections** |