3GPP TSG SA WG5 Meeting 138-e S5-214302

electronic meeting, online, 23 - 31 August 2021

**Source: Nokia**

**Title: Add MDA Reporting**

**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 an MDA Reporting that enables the MDA MnS consumer to receive analytics.

This MDA Reporting can be applicable to all analytics use cases described in [1].

# 4 Detailed proposal

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| **1st Modified Section** |

## X.Y MDA Reporting

### X.Y.1 Description

The MDA reporting allows any authorized MDA MnS consumer to receive a MDA report.

### X.Y.2 Use Case

The MDA MnS conusmer can receive a MDA report that contains the information, which indicates the type of MDA analytics (corresponding to the MDA capability). The MDA report may contain one or more results that can be numeric, recommendations or root cause analysis without this being an exhaustive list.

The MDA reporting follows the requested reporting method, e.g., file-based reporting or streaming. The MDA report indicates the start time and duration of the MDA results or the time until the MDA results are valid. The MDA report can point out the geographic location and/or the target objects, e.g., managed elements, related to the MDA result.

### Any MDA report may be provided as a respose to a request once it is prepared or an MDA report can be prepared when specified filter conditions are met, e.g. threshold crossing, and then provided to the corresponding consumer. X.Y.3 Requirements for Requesting MDA

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| **Requirement label** | **Description** | **Related use case(s)** |
| **REQ-MDA\_MDA-REP-1** | The MDA MnS producer shall provide a MDA report to any authorized MDA MnS consumer with the requested MDA reporting method. | **All use cases** |
| **REQ-MDA\_MDA-REP-2** | The MDA MnS producer shall provide a MDA report to any authorized MDA MnS consumer, while indicating the type of analytics, the geographic location and/or the target objects related to the MDA result. | **All use cases** |
| **REQ-MDA\_MDA-REP-3** | The MDA MnS producer shall provide a MDA report to any authorized MDA MnS consumer, while indicating the start time and duration related to the MDA results and/or the time until the MDA results are valid. | **All use cases** |
| **REQ-MDA\_MDA-REP-4** | The MDA MnS producer shall provide a MDA report to any authorized MDA MnS consumer upon request or when specified filter conditions based on threshold crossing are met. | **All use cases** |

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| **End of Modified Sections** |