3GPP TSG SA WG5 Meeting 138-e S5-214348

electronic meeting, online, 23 - 31 August 2021

**Source: Nokia**

**Title: Add MDA Reporting Control**

**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 control description, use case and requirements that enables the MDA MnS consumer to request analytics indicating certain reporting control attributes to the MDA MnS producer.

This MDA reporting control can be applicable to all analytics use cases described in [1], which request an MDA report.

# 4 Detailed proposal

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| **1st Modified Section** |

## X.Y MDA Reporting Control

### X.Y.1 Description

The MDA reporting control allows any authorized MDA MnS consumer to requestMDA.

### X.Y.2 Use Case

The MDA MnS conusmer can request the MDA MnS producer to provide MDA reports for a specified type of analytics, which corresponds to a MDA capability, and its preferences on reporting method, e.g. file-based reporting or streaming, the geographic location and/or the target objects, e.g., managed elements. The MDA MnS conusmer may control these reporting attributes and can have the capability to modify them.

The MDA MnS conusmer can inidcate when to receive a MDA report, i.e., upon request or may specify filter conditions to be met, e.g. threshold crossing, before receiving a MDA report. The MDA MnS conusmer can request a MDA report that contains numeric output results, recommendation options or root case analysis.The MDA MnS consumer may also need to deactivate the MDA reporting control request.

The MDA MnS consumer can be informed with an acknowledgment that includes the MDA report name if the request was successful. If the request was not successful the consumer is informed about potential errors indicating the reasons.

### X.Y.3 Requirements for Requesting MDA

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| **Requirement label** | **Description** | **Related use case(s)** |
| **REQ-MDA\_MDA-REQ-1** | The MDA MnS producer shall support the capability allowing any authorized MDA MnS consumer to request an MDA reporting, while indicating its preferences on reporting method, type of analytics, geographic location and/or the target objects. | **All use cases** |
| **REQ-MDA\_MDA-REQ-2** | The MDA MnS producer shall support the capability allowing any authorized MDA MnS consumer to modify MDA reporting, while indicating its preferences on reporting method, type of analytics, geographic location and/or the target objects. | **All use cases** |
| **REQ-MDA\_MDA-REQ-3** | The MDA MnS producer shall support the capability allowing any authorized MDA MnS consumer to specify filter conditions based on threshold crossing for MDA reporting. | **All use cases** |
| **REQ-MDA\_MDA-REQ-4** | The MDA MnS producer shall support the capability allowing any authorized MDA MnS consumer to express that the requested MDA reporting is no longer needed.  | **All use cases** |
| **REQ-MDA\_MDA-REQ-5** | The MDA MnS producer shall inform any authorized MDA MnS consumer whether the MDA reporting request was successfully processed and any errors that may have occurred. | **All use cases** |

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| **End of Modified Sections** |