3GPP TSG SA WG5 Meeting 142-e S5-222480

**e-meeting, 4 -12 April 2022**

**Source: Nokia**

**Title: Editorial modifications on MDA functionality and service framework**

**Document for: Approval**

**Agenda Item: 6.6.5**

# 1 Decision/action requested

This contribution is for approval.

# 2 References

[x] TR 28.809 Study on enhancement of management data analytics

# 3 Rationale

This contribution introduces certain editorial corrections. One is related to MnS producer and the other to generalize how the MDA output can be obtained.

# 4 Detailed proposal

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| **1st Modified Section** |

# 5 MDA functionality and service framework

## 5.1 General framework

MDA MnS (also referred to as MDAS) in the context of SBMA enables any authorized consumer to request and receive analytics as illustrated in Figure 5.1-1.



**Figure 5.1-1: MDA functional overview and service framework**

A management function may play the roles of MDA MnS producer, MDA MnS consumer, other MnS consumer, NWDAF consumer and LMF service consumer, and may also interact with other non-3GPP management systems.

The internal business logic related to MDA leverages the current and historical data related to:

- Performance Measurements (PM) as per TS 28.552 [4] and Key Performance Indicators (KPIs) as per TS 28.554 [5].

- Trace data, including MDT/RLF/RCEF, as per TS 32.422 [6] and TS 32.423 [7].

- QoE and service experience data as per TS 28.405 [8] and TS 28.406 [9].

- Analytics data offered by NWDAF as per TS 23.288 [10] including 5GC data and external web/app-based information (e.g., web crawler that provides online news) from AF.

- Alarm information and notifications as per TS 28.532 [11].

- CM information and notifications.

- UE location information provided by LMF as per TS 23.273 [14].

- MDA reports from other MDA MnS producers.

- Management data from non-3GPP systems.

Analytics output from the MDA internal business logic are made available by the management functions playing the role of MDA MnS producers to the authorized consumers, (including but not limited to other management functions, network functions/entities, NWDAF, SON functions, optimization tools and human operators).

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| **End of Modified Section** |