3GPP TSG SA WG5 Meeting 141-e S5-221299

**e-meeting, 17 -26 January 2022**

**Source: Nokia**

**Title: Add MDA context**

**Document for: Approval**

**Agenda Item: 6.4.15**

# 1 Decision/action requested

This contribution is for approval.

# 2 References

[x] TS 28.511 Telecommunication management; Configuration Management (CM) for mobile networks that include virtualized network functions; Procedures

[y] TS 28.531 Management and Orchestration; Provisioning

# 3 Rationale

This contribution introduces the notion of the MDA context when obtaining analytics. The MDA context relates to the state of the network when such analytics were produced.

# 4 Detailed proposal

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| **1st Modified Section** |

## 5.x MDA Context

An MDA MnS producer provides analytics with respect to a particular network context, i.e., network state, under which data is collected to produce analytics. For example, the prediction of the load in an area of interest may differ when all gNBs and potential additional RATs are operating compared to case where certain gNBs or other RATs are experiencing a fault or are powered off to save energy. This MDA context is important for the MDA MnS consumer to understand the network conditions related to the obtained analytics and hence be able to use such analytics more efficiently.

The MDA MnS consumer cannot expect the MDA producer to provide the network context, because the network context interest of each MDA MnS consumer may differ depending on the usage. The usage can include a propritery algorithm that assist a decision-making process. For example, a load balancing algorithm may require the load and mobility information among neighboring gNB whereas other load balancing algorithms may also require load and mobility information from a greater geographical area.

In addition, the selection of the parameters and their combinations may prove to inpractical for the MDA MnS producer to prepare and provide. Hence, it is efficient for the MDA MnS producer to prepare only the MDA output without including any network context and allow the MDA MnS consumer to obtain the required network context using conventional configutation management procedures as described in [x][y].

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| **End of Modified Sections** |