**3GPP TSG-SA5 Meeting #158 *S5-247269***

Orlando, USA, 18 - 22 November 2024

**Source: Ericsson, Deutsche Telekom**

**Title: Discussion paper on handling removal of MDA report identifier**

**Document for: Approval**

**Agenda Item: 6.4.26**

# 1 Decision/action requested

***In this box give a very clear / short /concise statement of what is wanted.***

# 2 References

[1] 3GPP TS 28.104: Management and orchestration; Management Data Analytics (MDA)

[2] S5-245746 Rel-17 CR TS 28.104 Clarify MDA report identifier (status not agreed)

[3] S5-245747 Rel-18 CR TS 28.104 Clarify MDA report identifier (status not agreed)

[4] 3GPP TS 32.156: Telecommunication management; Fixed Mobile Convergence (FMC) model repertoire

# 3 Rationale

**Introduction**

At meeting #157 the group discussed CR proposals in [2] and [3] and concluded that the MDA report identifier is not needed in the MDA specification [1]. There was however no agreement how to address the exclusion of this attribute from the specification [1]. This discussion paper outlines the options available to exclude the attribute from the current and or future specifications for MDA. The group can use one of the following methods to remove this attribute from the specification:

Option 1: Remove the attribute from the specification in which it was introduced.

Option 2: Deprecate the attribute starting from a specific release

The definition of deprecated can be found in TS 32.156 [4] and is shown here for the readers convenience:

*"Deprecated" means the element has a valid definition, it is available for use, but its use is discouraged. Deprecated elements may already have a replacement element defined. Deprecated elements may be removed in the next release.*

**Option 1**

This attribute was introduced with the first release of the MDA specification TS 28.104 [1] in Rel-17. With option 1 the attribute will be removed from both Rel-17 and Rel-18, after its removal it will be as if the attribute never existed. This option is viable if no vendor has implemented this attribute, and the removal does not introduce backward incompatibility issues.

**Option 2**

With this option, the attributes will be marked deprecated from a specific release and removed as outlined in TS 32.156 [4]. This option provides a more controlled way of handling, and informs the community (by marking the attribute deprecated) of the future removal of the attribute. The attribute will continue to be specified in the earlier releases which introduces backward incompatibility issues when removed. This option assumes that there maybe implementations of this attribute. In this case the group needs to decide if the deprecation is from Rel-18 and removal Rel-19 or from Rel-19 and removal Rel-20. In the latter case product developed for Rel-18 could still implement the attribute potentially creating backward incompatibility between Rel-18 and future Rel-20.

**Recommendation**

The group recommends the exclusion of MDA report identifier using the method of deprecation as described by option 2. The main advantage of option 2 over option 1 is that in case the attribute has been implemented its future use is phased out in controlled manner.

As the group still has significant number of CR’s on Rel-18 and adding the text on deprecation is not backward incompatible it is proposed to deprecate the attribute in Rel-19 and remove the attribute in Rel-20.

To implement the recommendation the following CR’s are proposed:

SA5#XXX Rel-19 CR TS 28.104 Deprecate the attribute MDA report identifier

SA5#YYY Rel-20 CR TS 28.104 Remove deprecated attribute MDA report identifier

# 4 Detailed proposal

The group is asked to endorse the recommendation.

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