**3GPP TSG-SA5 Meeting #155 *S5-243077***

Jeju, South Korea, 27 - 31 May 2024

**Source: AsiaInfo**

**Title: update use case for** **edge computing performance analytics**

**Document for: Approval**

**Agenda Item: 6.19.2**

# 1 Decision/action requested

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

# 2 References

[1] 3GPP TR 28.866 v0.1.0 Study on Management Data Analytics (MDA) – Phase 3

[2] 3GPP TS 23.436 v19.0.0 Data Analytics Enablement Service

# 3 Rationale

This updates the use case for edge computing performance analytics. TS 23.436 is not supporting to analyse E2E

latency between UE and EAS. Therefore, the note should be rewords.

# 4 Detailed proposal

It proposes to make the following changes to TR 28.866.

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| --- |
| **First Change** |

## 5.2 End-to-End performance analytics including Edge computing domain

### 5.2.1 Use case 1: Edge computing performance analytics

#### 5.2.1.1 Description

For edge applications such as remote control and automation vehicles, the end-to-end performance (e.g., latency) to an end user is contributed by both the network side and the Edge Computing side. We can guarantee the end-to-end latency between UE and EAS to satisfy the consumer requirements for guarantee user service experience. In R18, the MDA capability include E2E latency analysis, including CN latency analysis and RAN latency analysis, but not include latency between UE and EAS.

It is desirable that the end-to-end latency can be predicated by MDA. MDA consumer sends the request for end-to-end latency analytics to MDA producer, MDA producer correlates and analyses multi-fold data (such as EDN NF (e.g. EAS, EES) performance measurements, 5GC NF measurement and alarm related to edge computing performance, together with the geographical and configuration data of edge computing). The MDAS producer provides the analytics report that include predicting end-to-end latency for edge application. The MDAS producer may provide the recommendations that may be for example to adjust the configuration data of EDN NF.

Note: if the UPF and DN are not co-located, the input of MDA can require consultation with SA6.

#### 5.2.1.2 Potential requirements

**REQ-EDGE-C****ON-1:** MDA capability for edge computing performance analytics should provide the prediction related to E2E latency between UE and EAS.