**Agenda item:** 10.7

**Source:** Tencent Cloud

**Title: [GA4RTAR] AF-driven 5G RTC Edge processing management**

**Document for:** Discussion andAgreement

# Introduction

This contribution provides the call flow for AF-driven management of 5G RTC edge processing. The call flow refers to various TS as well as Figure 6.1-1 to summarize this call flow and not to repeat the steps.

# 5G-RTC Architecture extension

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| **Change 1** |

# 6 Procedures for Edge Processing

## 6.2 AF-driven Management of 5G RTC Edge Processing

The detailed call flow for AF-driven management of edge processing session by using the Media Session Handler is shown in Figure 6.2-1.



Figure 6.2-1. AF-driven management of 5G-RTC edge processing

The steps are:

1. Steps 1-4 as described in TS 26.501 clause 8.1.

2. Create Provisioning Session: In this step, the 5G-RTC Application Provider creates a new provisioning session.

3. Provision 5G-RTC features: In this step, the 5G-RTC Application Provider may create different configurations such as QoS support, charging, collection of consumption, offering STUN/TURN servers, WebRTC signalling servers, Edge Processing, etc.

4. RTC AS provisioning if need, as described in Figure 6.1-1, steps 16-21.

The WebRTC Application initiates a new RTC session:

5. Start session: The WebRTC Application invokes the WebRTC framework with appropriate real-time streaming access parameters.

6. Session starting event: The application informs the Media Session Handler about the start of a new WebRTC session over 5G.

7. Retrieve service access information: The Media Session Handler retrieves Service Access Information from the 5G-RTC AF appropriate to the WebRTC session.

8. Determine eligibility for requesting edge resources: Using information from the Service Access Information, the Media Session Handler determines whether the WebRTC session is eligible for requesting edge resources.

9. Start the media streaming as defined in Figure 6.1-1, steps 24-26.

10. Continue the final steps as defined in Figure 6.1-1, steps 27-29.