**3GPP TSG-WG SA2 Meeting #161** **S2-2402270**

**26 February – 1 March 2024, Athens**

**Source: Ericsson**

**Title:** **(KI#3) Changes in the use case #1**

**Document for: Approval, Information, Discussion**

**Agenda Item:** **19.15**

**Work Item / Release: FS\_AIML\_CN / Rel-19**

*Abstract: This paper proposes an update to use case #1 to replace the phrase “recommendation” from the title with “enhancement” and remove the last paragraph which points directly to the solution.*

# 1 Decision/action requested

**It is asked to discuss and approval.**

# 2 References

[1] 3GPP TR 23.700-84 Study on Core Network Enhanced Support for Artificial Intelligence (AI/Machine Learning (ML) (Release 19)

# 3 Rationale

In [1], clause 5.1.1, a use case has been introduced for Key Issue #3.

It is proposed to update the use case’s title and replace the word “recommendation” with “enhancement”, and removal of last paragraph since it is pointing to a specific solution.

# 4 Detailed proposal

\* \* \* \* First change \* \* \* \*

### 5.1.1 Use Case #1: NWDAF-assisted QoS enhancement

Currently, the QoS parameters are determined by the PCF based on its knowledge, e.g. AF requirements, analytics provided by the NWDAF, etc. After applying the determined QoS parameters to the service, the PCF may determine whether or not the current QoS can fully satisfy the service requirements based on the Service Experience analytics provided by the NWDAF. If the current QoS cannot satisfy the service requirements, the PCF may update the QoS parameters and informs the new parameters to SMF. Then the PCF may require new Service Experience analytics to check whether the updated QoS parameters can satisfy the service requirements. Based on this current framework, it may require several iterations to work out the ideal QoS parameters.

 Using its knowledge based on data collection, NWDAF can assist the PCF in determining QoS parameters that can achieve the expected service experience requirements.

\* \* \* \*End of changes \* \* \* \*