**3GPP TSG-SA5 Meeting #157 *S5-245997d1***

Hyderabad, India, 14 - 18 October 2024

**Title: LS on request for clarification on AI/ML Model transfer/delivery to UE**

**Response to:**

**Release: Rel-19**

**Work Item: NR\_AIML\_Air, FS\_AIML\_MGT\_Ph2**

**Source:** **SA5#157**

**To:** **RAN2 & RAN1**

**Cc: RAN, SA, RAN3**

**Contact person: Hassan Al-Kanani**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

**Attachments:** **None**

# 1 Overall description

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In the context of the ongoing discussions of SA5 Rel-19 study on AIML management – Phase 2, which is being documented in TR 28.858 regarding ML model delivery/transfer and loading, SA5 would like to request further clarification and details on Solution 4b described in TR 38.843, Section 7.2.1.4, which states:

 *“OAM can transfer/deliver AI/ML model(s) to UE”*

In TR 28.858, Section 5.1.2.1, it is highlighted that what is referred to as “ML model delivery” corresponds to the OAM→RAN→UE scenario in TR 38.843 which is mapped to “ML model loading” in SA5 for which the existing solutions for ML model loading in TS 28.105 could be reused for the model transfer process between OAM and the gNB.

However, as the specific role of OAM in the delivery of AI/ML models to the UE (Solution 4b) for OAM→UE scenario is still under investigation by SA5, e.g., the mechanisms by which OAM would deliver/transfer AI/ML models to the UE, and whether this process still involves some levels of interaction with the gNB and Core Network.

We would like to request RAN2 / RAN1 to provide further insights, specifically around the following aspects:

1. Whether the AI/ML model delivery through U-Plane of the networks from OAM to UE is counted as an OAM→UE scenario?
2. To what extent the OAM delivery process involves other entities in the 3GPP network, i.e., does this only refer to a mechanism that is transparent to 3GPP, via non-3GPP connectivity (e.g., WiFi)?

# 2 Actions

**To: RAN2, RAN1**

**ACTION:** SA5 kindly asks RAN2 and RAN1 to provide further clarifications regarding option 4b as highlighted above.

# 3 Dates of next TSG SA WG5 meetings

SA5#158 18 November - 22 November 2024 Orlando, USA

SA5#159 17 February - 21 February 2025 Sophia-Antipolis, France