**3GPP TSG-SA5 Meeting #157 *S5-245997d2***

Hyderabad, India, 14 - 18 October 2024

**Title: LS 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**

**hassan.alkanani@emea.nec.com**

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

**Attachments:** **None**

# 1 Overall description

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 relating to ML model delivery/transfer and loading, SA5 would like to provide the following update regarding 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. 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, including 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.

# 2 Actions

**To: RAN2, RAN1**

**ACTION:** SA5 kindly asks RAN2 and RAN1 to take the above information into consideration.

# 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