**3GPP SA WG2 Meeting #170 S2-2507459\_was\_6429**

**Stor-Göteborg, Sweden, 25 - 29 August 2025**

Title: [DRAFT] Reply LS on signalling feasibility of dataset and parameter sharing

Response to: Reply LS on signalling feasibility of dataset and parameter sharing (R2-2506108/ S2-2504512)

Release: Release 19

Work Item: NR\_AIML\_air-Core

Source: Samsung [to be SA2]

To: RAN2

Cc: RAN, RAN1, RAN3, SA, SA2, SA3, SA5

**Contact Person:**

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Attachments: -

**1. Overall Description:**

SA2 thanks the LS on signaling feasibility of dataset and parameter sharing and provides feedback on the following RAN2’s assumption on non-OTA solutions:

* For non-OTA approaches, i.e., ‘NW dataset/model parameters collection entity -> UE training entity (a server inside MNO or an OTT server)’, RAN2 identified the following candidate solutions (see below Table 1). From RAN2 point of view, it is assumed they can be supported within Rel-19 existing architecture framework. RAN3, SA2, and SA5 can further confirm the above RAN2 assumption.

**SA2 Feedback:**

* SA2 would like to inform RAN2 that the Rel-19 specifications do not support option 2 nor option3. Note that Rel-19 is frozen now for SA2. SA2 agrees with RAN3's agreement that the exchange of AI/ML-related data between the CN and gNB is not supported in R19. The Rel-19 architecture provides exposure capabilities, which may still need to be enhanced based on the outcome of the study. Whether and what kind of other capabilities needs also enhancement or not requires further study in SA2:
* To study non-OTA candidate solutions addition to the existing architecture, SA2 requires RAN2 / RAN Plenary to provide confirmation of the requirement. The decision is also subject to SA/SA2 planning.
* SA2 would like to ask RAN2 about the difference between option 3 and the other two options. In particular, how option 3 (gNB -> OAM/CN -> UE-side training entity) and option 2 (CN -> UE-side training entity) are different from the CN entity perspective?

**2. Actions:**

**RAN2:**

**ACTION:** SA2 kindly asks RAN2 to take the above feedback into account.

**3. Date of Next TSG SA WG2 Meetings:**

TSG-SA2 Meeting #171 13-17 October, 2025 Wuhan, CN

TSG-SA2 Meeting #172 17-21 November, 2025 Dallas, US