**3GPP TSG-SA WG2 Meeting #165 S2-2410977r01**

**14 - 18 Oct 2024, Hyderabad, India** (revision of S2-2410685)

**Title:** [Draft] **Reply LS on AIML data collection**

**Response to: LS RP-242389 (S2-2409600) LS on AIML data collection**

**Release:** **Rel-19**

Work Item: NR\_AIML\_Air

Source: SA2

To: RAN2, RAN3

Cc: TSG SA, TSG RAN, SA3, SA5

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

**Attachments:**

**1. Overall Description:**

SA2 would like to thank TSG RAN for the LS RP-242389 / S2-2409600 on AIML data collection. SA2 has discussed it, and SA2 would like to provide the following interim response and feedback:

SA2 is working on assessing UE-side data collection feasibility, and SA2 requires further clarification on some aspects of the requirements terminology used in RP-242389 (S2-2409600). To progress further on this task, SA2 kindly asks RAN2 to provide feedback by earliest possible during SA2#166/ RAN2#128. SA2 believes that if RAN2 feedback is available, SA2 may be in a better position to reply to RAN on the issue of UE-side data collection, by RAN#106 as requested in LS RP-242389 / S2-2409600.

SA2 would like to bring to the attention of RAN2 that currently there are no complete solutions that fit any of the options, for which RAN tasked SA2 to assess their feasibility.

**Understanding requirements terminology that describes MNO controllability of UE-side Data Collection**

SA2 requires further clarification on some essential terminology to enable SA2 to assess the feasibility of any of the options.

SA2 would like to ask about the following terms:

1. **Controllability of MNO on data transfer:**

In S2-2409600/RP-242389, it is stated that full controllability is required when “the MNO can manage data transfer to the server for UE-side data collection, without the need of SLA. This includes initiating, terminating, and fully managing data transfer”

SA2 kindly request RAN2 to provide further clarification on the following areas:

Q1: Are there any aspects of the UE-data collection controllability, that required NG-RAN involvement? If so, what is the involvement of NG-RAN in UE-data collection controllability, e.g., what aspects of MNO controllability would require NG-RAN involvement and what would such involvement be?

As an example of the kind of feedback that is requested, some companies in SA2 understand that initiating (e.g., triggering), terminating collection of UE-side data and controlling data transfer may require NG-RAN involvement, and it is currently not clear what this involvement may be.

Q2: Furthermore, with regards to “initiating, terminating and fully managing data transfer” some companies in SA2 believe that further clarification is required, on a per use case basis, on

where (which entities) and under what conditions, should controllability be performed, e.g., in NG-RAN, a NF, OAM, an MNO controlled AF, a 3rd party AF, a UE)?

Q3: Furthermore, some companies in SA2 wondered whether full controllability would have any impact on UE normal operation. If so, what impact is expected from RAN2 perspective to enable UE-side Data Collection?

Q4: Some companies in SA2 understands that standardized data content refers only to data reflecting results of measurements performed by the UE according to network measurement configuration. SA2 would kindly asks RAN2 to confirm this understanding.

Some companies in SA2 believe that option 2 with UP tunnel may be similar to option 1b.

Q5: SA2 kindly asks RAN2 further clarification on RAN2 understanding regarding differences between options 1b and option 2 with UP tunnel

1. Roaming support

SA2 would like further clarification regarding Roaming support for UE-side data collection.

Q6: Does RAN2 expect local data to be collected from UEs that are roaming (besides the non-roaming case)?

1. Visibility

In LS RP-242389 / S2-2409600, it is stated that the MNO has full visibility for standardized data content. In addition, the RAN LS states that “Visibility of data content signifies that the MNO can, at least, be aware of, access, and comprehend the data without the need of SLA”. SA2 would like to understand the following:

Q6: SA2 would like confirmation from RAN2, whether it is sufficient that the data content be standardized and MNO knowing which data type is collected, to be considered as the MNO having full visibility of such data or should further conditions be required in order to declare that the MNO has full visibility of such data, e.g. whether MNO need to verify the parity between the data transferred and the data collected ?

**2. Actions:**

**To RAN2**

**ACTION:** SA2 kindly ask WGRAN2 to reply to the questions provided above, by earliest possible, ideally by Nov 19th, (during RAN2#128/SA2#166).

**3. Date of Next SA2 Meeting:**

SA2#166 November 18th – 22nd, 2024 Orlando, US