3GPP TSG SA WG4 Meeting #120-e TDoc S4-221112

E-Meeting, 17th – 26th August 2022

**Title: Draft Reply LS to SA2 on 5G Core Information Exposure to UE via DCAF Solution**

**Response to: LS S4-221068 (S2-2205287)**

**Release: Rel-17**

**Work Item: EVEX**

**Source:** **3GPP SA4**

**To:** **3GPP SA2**

**Cc:**

**Contact person: Charles Lo**

 **c DOT lo AT qti DOT qualcomm DOT com**

 **+1 858-651-5674**

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

**Attachments:**

# 1 Overall description

SA4 would like to thank SA2 for your LS on potential extension of Data Collection AF functionality and related interfaces to support the SA2 Rel-18 AI/ML related study item as described in the associated TR, and wishes to respond to the LS.

First and foremost, we suspect that SA2 had not received the SA4 outgoing LS in [S4-220846](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Docs/S4-220846.zip) from the May ’22 SA4#119-e meeting which addresses exactly the same topic, when SA2 produced this LS. We would ask SA2 to review that SA4 LS. As described in that document, SA4 considers the scope of the framework and the Data Collection AF (DCAF) as defined in TS 26.531 and TS 26.532 to pertain to the collection of application data from the UE (and possibly some other network nodes), and delivering such collected data upon required post-processing at the Data Collection AF to event subscribers such as the NWDAF. We regard the additional functionality being considered and potentially requested by SA2 to be performed by SA4 (subscribing to and collecting analytics data produced by the NWDAF for subsequent event exposure to UEs) as exactly opposite to the intended role of the Data Collection AF. Therefore, SA4 would not be in favor of extending the functionality of the Data Collection AF in support of Solution #2 and would suggest that SA2 define such new network entity and its functionality and procedures.

SA4 is also not fully clear on SA2’s intention in pointing to solution #13 in TR 23.700-80. We understand that solution to pertain to communication between the UE (on-board AI/ML App Client) and the AI/ML AF. Is SA2 thinking about the Data Collection AF taking on the role of the AI/ML AF in exchanging AI/ML information with the UE (its AI/ML Application client)? If so, would the corresponding control plane based transfer of AI/ML data as described in clause 6.13.2 be replaced by user-plane interaction between the UE and the AF? We have similar question on the reference to Key Issue #5 in the SA2 LS. Is this about possibly replacing the control plane related 5GC enhancements required to support AI/ML traffic exchange between the AI/ML AF and the UE by user-plane mechanism? We request SA2 to provide further clarification on these two points, including providing us any additional information on the intended communication between the UE/AI-ML Application and the AI/ML AF – unidirectional or bidirectional oriented, charging and privacy aspects, etc., as well as any feedback from SA1 and SA3 on Key Issue #2.

# 2 Actions

**To SA2**

**ACTION:** SA4 kindly asks SA2 to review the above information, including the previously-sent SA4 LS on 5GC information exposure to UE into account and provide any feedback. In addition, SA4 asks SA2 to respond to our above questions and requests on the SA2 LS.

# 3 Dates of next TSG SA WG 4 meetings

SA4#121 14th – 18th November 2022 EU

SA4#122 20th – 24th February 2022 EU