3GPP TSG SA WG4 Meeting #120-e TDoc S4-221113

E-Meeting, 17th – 26th August 2022 revision of S4-220933

**Title: Reply LS to CT3 on Data Reporting API**

**Response to: LS S4-220907 (C3-223571)**

**Release: Rel-17**

**Work Item: EVEX**

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

**To:** **3GPP CT3**

**Cc: 3GPP SA2**

**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:** CR 26.532-0001, CR 26.531-0001, CR 26.501-0040

# 1 Overall description

SA4 would like to thank CT3 for your LS on Data Reporting API and wishes to respond to the two questions raised in the LS:

***QUESTION 1****: SA4 is requested to clarify the usage of the PATCH method pointed to above.*

i. SA4 would like to point out that there is a mistake in clause 6.2.3.3.2 of TS 26.532 V17.0.1 and, in fact, updating of the DataReportingProvisioningSession resource is not permitted, as indicated elsewhere in the specification (namely, clauses 4.2.3.2.4 and 6.3.2.1). SA4 has agreed, during meeting SA4#120-e, on a CR to TS 26.532 correcting this mistake (see attachment).

ii. Regarding the use of PUT vs. PATCH in clause 6.2.5.3.2, it is described in clause 4.2.3.3.5 that either method can be used (by the Provisioning AF) to update the DataReportingConfiguration resource (at the Data Collection AF), and therefore the current description in clause 6.2.5.3.2 is generally correct, subject to modifying some details. Specifically, the aforementioned CR additionally modifies the data structures associated with the PATCH method to *DataReportingConfigurationPatch* for correctness and alignment with the nomenclature in TS 29.122 and TS 29.522.

The attached CR additionally permits ‘204 (No Content)’ as an alternative indication of successful execution of the update service operation.

***QUESTION 2****: For UE data processing procedures for downlink media streaming specified in clause 4.7.3.1 of TS 26.501, a few questions have arisen during the specification of corresponding stage-3 in CT3, e.g.: what are the semantics of the "Restriction dimensions": Time, User, and Location, what are each of these used for, and what are units? Do these need to be included in the subscription request by the consumer? Are these required, optional or conditional? If they are not the input parameters included in the subscription request, then what information needs to be provided by the consumer for each of the events?*

1. *what are the semantics of the "Restriction dimensions": Time, User, and Location, what are each of these used for, and what are units?*

**SA4 Answer:** The semantics of data exposure restriction dimensions (“Restriction dimensions” in CT3’s LS) are specified in Clause 4.5.2 of TS 26.531. Aggregation functions are defined with regards to time, user and location specific dimensions of data exposure restriction, and their units of measurement are specified in clause 6.3.2.3 of TS 26.532.

1. *Do these need to be included in the subscription request by the consumer? Are these required, optional or conditional?*

**SA4 Answer:** No, data exposure restriction dimensions are not included in the subscription request by the event consumer. These are properties of Data Access Profiles, provisioned in the Data Collection AF, that are not explicitly known to or selectable by the event consumer.

1. *If they are not the input parameters included in the subscription request, then what information needs to be provided by the consumer for each of the events?*

**SA4 Answer:** The required information to be provided in the event subscription request comprises the Event ID of interest and (if required by a particular deployment) an access token, along with optional event filter information. These parameters are shown in step 6 of the event subscription procedures in the updated clause 5.8 of TS 26.531, as result of an agreed CR to that EVEX stage 2 specification (see attached). This CR was in turn motivated by an agreed CR to TS 26.501 (also attached) which adds event filter information to the stage 2 description of event subscription procedures associated with 5G Media Streaming.

# 2 Actions

**To CT3**

**ACTION:** SA4 kindly asks CT3 to take the above answers and information, including the attached CRs to TS 26.532, TS 26.531 and TS 26.501, into consideration towards your development of the relevant CT3 specifications changes associated with the EVEX work item.

# 3 Dates of next TSG SA WG 4 meetings

SA4#121 14th – 18th November 2022 EU

SA4#122 20th – 24th February 2022 EU