3GPP TSG SA WG4 ad hoc Meeting post-#125 TDoc S4aI230166

Online, 12th October–2nd November 2023 *revision of S4aI230160*

**Title: Reply LS on event exposure APIs for 5G Media Streaming**

**Response to: S4aI230160|C3-233582**

**Release: Rel-18**

**Work Item: 5GMS\_Pro\_Ph2**

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

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

**Cc: —**

**Contact person: Richard Bradbury, BBC (richard dot bradbury at bbc dot co dot uk)**

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

**Attachments:** S4aI230149 (Draft CR to TS 29.517)

S4-231465 (CR0041r2 to TS 26.512)

# 1 Overall description

SA4 would like to thank CT3 for its LS response and provides the following information which it hopes is useful.

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| For the new stage-3 data types defined in S4-230984 to be used in place of the *Network‌Assistance‌Session* data type and the data types for the remaining event types, CT3 may update TS 29.517 to add new event and/or use the new data types defined in TS 26.512 with new feature only from Rel-18 onwards, because changing the data types of the attribute in a frozen release would cause non-backward compatibility issues. |

SA4 is pleased to attach an illustrative draft CR to **TS 26.517** Release 18 [S4aI230149] for consideration by CT3 that would achieve the desired outcome. Please note that this change requires co-ordination with **TS 26.512 CR0041**, the latest revision of which [S4-231465] was endorsed by SA4 at its last meeting SA4#125, but agreement and approval of which is dependent on a corresponding change to **TS 29.517** (and a corresponding change to **TS 29.591** for northbound event exposure via the NEF).

SA4 accepts CT3's argument that these changes can only be applied in Release 18 under current 3GPP rules. In light of this, SA4 considers the event exposure mechanism specified for 5G Media Streaming to be unfit for purpose in Release 17.

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| Based on clauses 4.7.2.1 and 4.7.4.1 of TS 26.501, CT3 noticed that the Invocations of ANBR-based downlink Network Assistance is added as an independent event. However, in clause 4.7.4.7 the parameters for both AF-based Network Assistance and ANBR-based Network Assistance are defined together.  CT3 would like to ask the following question:  **Question:** Does the data collection AF need to define a new event for ANBR-based downlink Network Assistance reusing the same data type as AF-based downlink Network Assistance? |

SA4's intention is that a shared data type is used for the exposure of events resulting from invocations of both AF-based and ANBR-based Network Assistance. The attached **CR0041r2** to **TS 26.512** [S4-231465] specifies such a data type NetworkAssistance‌InvocationEvent in clause 18.5.2, which is referenced from the NetworkAssistanceInvocationsCollection data type specified in clause 18.5.1. The type of Network Assistance event is encoded in the value of the Network‌Assistance‌Invocation‌Event.‌networkAssistanceType property, which is chosen from the enumerated type Network‌Assistance‌Type. (See clause C.6 of **CR0041r2** for the YAML specification of these data types.)

Given this, SA4 does not require a new event type to be specified in TS 29.517 (or TS 29.591) to support exposure of ANBR-based downlink Network Assistance events, but thanks CT3 for the insightful question.

# 2 Actions

**To CT3**

**ACTION:** SA4 asks CT3 to actively co-ordinate with it on progressing the mutually dependent CRs to TS 26.512, TS 29.517 and TS 29.591 with a view to gaining approval for all three changes at SA#102 in December 2023 or SA#103 in March 2024.

# 3 Dates of next TSG SA WG 4 meetings

SA4#126 13th–17th November 2023 Chicago, United States of America

SA4#127 29th January–2nd February 2024 Sophia Antipolis, France