3GPP TSG CT WG3 Meeting #133 TDoc C3-241409

Athens, Greece, 26 February - 1 March, 2024

**Title: Reply LS on XRM and TSC QoS requirements**

**Response to: LS <S2-2313671/C3-240021> on Issues on QoS Monitoring parameters for XR service from SA2.**

**Release: Release 18**

**Work Item: XRM**

**Source: CT3**

**To: SA2**

**Cc:**

**Contact person: Parthasarathi Ravindran**

 **parthaarathi.ravindran@nokia.com**

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

**Attachments:** NA

1 Overall description

CT3 thanks SA2 for QoS Monitoring parameters for XR service answers.

CT3 defines TSC QoS requirements in TS 29.122 clause 5.14.2.1.9. CT3 defines XR service-related data types in TS 29.122 clause 5.14.2.1.2. Those attributes are based on SA2 requirement in TS 23.502 Clause 5.2.6.9.2. The related parameters are highlighted in the bold text below:

5.2.6.9.2 Nnef\_AFsessionWithQoS\_Create service operation

**Service operation name:** Nnef\_AFsessionWithQoS Create

**Description:** The consumer requests the network to provide a specific QoS for an AF session for a UE or a list of UEs.

**Inputs, Required:** AF Identifier, UE address (i.e. IP address or MAC address and only applicable for a single UE AF session), a list of UE addresses (as described in clause 4.15.6.13, and only applicable for a Multi-member AF session). Flow description information as described in clause 6.1.3.6 of TS 23.503 [20] or External Application Identifier, QoS Reference or individual QoS parameters as described in clause 6.1.3.22 of TS 23.503 [20].

NOTE 1: In this Release, when a list of UE addresses is provided, the Flow description information is common for all UE addresses in the list. Further details are described in clause 4.15.6.13.2.

**Inputs, Optional:** Time period, traffic volume, Alternative Service Requirements (containing one or more QoS Reference parameters or Requested Alternative QoS Parameter Sets in a prioritized order), QoS Monitoring parameter(s) as defined in clause 5.45 of TS 23.501 [2], Reporting frequency, Target of reporting and optional an indication of local event notification as described in clause 6.1.3.21 of TS 23.503 [20], DNN if available, S-NSSAI if available.

Only applicable for a single UE AF session: flow direction, **Burst Arrival Time at UE (uplink) or UPF (downlink),** Periodicity as described in clause 5.27.2 or clause 5.37.8.2 of TS 23.501 [2], **Time domain,** Survival Time, **BAT Window or Capability for BAT adaptation, Packet Delay Variation requirements as described in clause 6.1.3.26 of TS 23.503 [20],** **Periodicity Range,** RT Latency Indication as described in clause 6.1.3.22 of TS 23.503 [20], **PDU Set QoS Parameters as described in clause 5.7.7 of TS 23.501 [2],** Protocol Description (as described in clause 5.37.5 of TS 23.501 [2]), Indication of ECN marking for L4S as described in clause 6.1.3.22 of TS 23.503 [20], QoS duration, QoS inactivity interval, **Multi-Modal Service ID together with Multi-modal Service Requirements information for each data flow as described in clause 6.1.3.27.3 of TS 23.503 [20].**

CT3 would like to ask SA2:

**Question 1:** Besides the Periodicity and N6 Jitter Information, are there any other parameters included in TSCAI applicable to XR service? i.e., which are the TSCAC parameters as defined in TS 23.501 table 5.27.2-2 applicable to XR service?

**Question 2:** Can the bold parameters be included in one message which is used to request XR service and Time sensitive communication?

# 2 Actions

**To SA2:**

**ACTION:** CT3 kindly request SA2 to answer the above question.

# 3 Dates of next TSG CT WG 3 meetings

CT3#134 15th April– 19th April 2024 Changsha, China

CT3#135 27th May– 31st April 2024 Hyderabad, India