**3GPP TSG-RAN3 Meeting #122R3-23xxxx**

**Chicago, USA, 13th – 17th November, 2023**

**Agenda item: 25.2.1**

**Source: Nokia, Nokia Shanghai Bell, Xiaomi, Ericsson, Qualcomm Inc., Samsung, China Telecom**

**Title: (TP for TS 38.473 BL CR) Introduction of Direction Information for PDU Set QoS Parameters**

**Document for: Discussion and Decision**

# 1 Introduction

This TP proposes to define separate DL and UL PDU Set QoS parameters by adding a Direction Information IE.

*Start of Change*

##

#### 9.3.1.x PDU Set QoS Parameters

This IE defines the PDU Set QoS Parameters to be applied to a QoS flow.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| PDU Set Delay Budget | O |  | Extended Packet Delay Budget 9.3.1.145 | PDU Set Delay Budget as defined in TS 23.501 [21]. |
| PDU Set Error Rate | O |  | Packet Error Rate 9.3.1.52 | PDU Set Error Rate as defined in TS 23.501 [21]. |
| PDU Set Integrated Handling Information | O |  | ENUMERATED(true, false, …) | PDU Set Integrated Handling Information as defined in TS 23.501 [21]. |
| Direction Information | O |  | ENUMERATED (uplink, downlink, both-uplink-and-downlink, …) | Direction Information for the PDU Set QoS Parameters. |

*Next Change*

9.4.5 Information Element Definitions

-- ASN1START

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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-- Information Element Definitions

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-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* Unchanged text skipped \*\*

PRSTransmissionTRPItem-ExtIEs F1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDUSetQoSParameters ::= SEQUENCE {

 pduSetDelayBudget ExtendedPacketDelayBudget OPTIONAL,

 pduSetErrorRate PacketErrorRate OPTIONAL,

 pduSetIntegratedHandlingInformation ENUMERATED {true, false, ...} OPTIONAL,

 directionInformation ENUMERATED {uplink, downlink, both-uplink-and-downlink, ...} OPTIONAL,

 iE-Extensions ProtocolExtensionContainer { { PDUSetQoSParameters-ExtIEs } } OPTIONAL

}

PDUSetQoSParameters-ExtIEs F1AP-PROTOCOL-EXTENSION ::= {

 ...

}

*End of Change*