**3GPP TSG-RAN WG2 Meeting #121 R2-2302044**

**Athens, Greece, February 27- March 3, 2023**

**Title: [Draft]** LS on RAN2 agreement for sidelink CAPC

**Response to:**

**Release:** Rel-18

**Work Item:** NR\_SL\_enh2

**Source:** OPPO (To be RAN2)

**To:** RAN1

**Cc:**

**Contact Person:**

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**Attachments:** none

**1. Overall Description:**

RAN2 made the following agreements during RAN2 #120 and RAN2 #121 for sidelink CAPC.

Agreements on SL CAPC for RRC inactive/idle/OOC UE

1: For an IDLE/INACTIVE/OOC UE, if the QoS flow of non-standardized PQI can be mapped to a non-default SLRB, the UE determines the CAPC of this non-standardized PQI using the CAPC of this SLRB.

Agreements on SL CAPC mapping table:

1: Mapping PQI 90/91/92/93/21/22/23/55/56/57/58 to CAPC priority class 1.

2: Mapping PQI 59/61 to CAPC priority class 3.

3: Mapping PQI 25 to CAPC priority class 2.

4: Mapping PQI 24/26/60 to CAPC priority class 1.

Agreement on SL CAPC mapping rule:

1: As in NR-U, the lowest priority CAPC of the logical channel(s) with MAC SDU multiplexed in the TB is used regardless of whether the TB also contains SL MAC CEs in addition to MAC SDUs.

Agreement on SL CAPC mapping rule:

1: For an IDLE/INACTIVE/OOC UE, if a QoS flow cannot be mapped to a non-default SLRB: 1) if the per-bearer CAPC is configured in SIB/Pre-configuration, the UE use the configured CAPC; 2) else, select CAPC of the standardized PQI which best matches the QoS characteristics of the non-standardized QoS flow based on one or more QoS characteristics. For a standardized QoS flow, CAPC is directly derived from CAPC table.

**2. Actions:**

**To RAN1**: RAN2 respectfully asks RAN1 to take the above RAN2 agreements into account.

**3. Dates of Next TSG-RAN WG2 Meetings:**

TSG RAN WG2 Meeting #121bis April 17 – April 26 2023 E-meeting

TSG RAN WG2 Meeting #122 May 22 – May 26 2023 Incheon, KR