**3GPP TSG-WG RAN2 Meeting #123 R2-230xxxx**

**Toulouse, France, August 21 – 25, 2023**

Title: [Draft] Reply LS on carrier mapping for unicast SL CA

Response to: Reply LS on carrier mapping for unicast SL CA ([R2-2307060](file:///D:\업무\표준화%20업무\3GPP\3GPP%20표준회의\Rel-18\RAN2\%23123-2023.08\TSGR2_123\docs\R2-2307060.zip)/ S2-2307794)

Release: Rel-18

Work Item: NR\_SL\_enh2

Source: LG (To be RAN2)

To: SA2

Cc:

**Contact person:**

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

**Attachments:** none

**1. Overall Description:**

RAN2 would like to thank SA2 regarding the response LS on carrier mapping for unicast SL CA. RAN2 discussed the answers provided by SA2 during RAN2#123 and would like to provide the following RAN2 agreements on to SA2’s question and carrier mapping for unicast SL CA.

**Question 1**: According to TS 24.588, V2X layer is only provisioned with a mapping between service identifier and initial L2 address used for unicast. But service identifier is invisible to AS-layer, and the initial L2 ID will only be used in DCR and be replaced by a self-chosen L2 ID in PC5-S link establishment procedure. Then, after L2 ID changes, whether/how can UE's AS layer obtain the mapping between L2 ID and frequencies?

Agreement on SA2 question:

1: On Question 1 of S2-2307794, reply SA2 "RAN2's question 1 is intended to discuss after PC5 link establishment. And RAN2 assume that the AS layer may maintain a mapping between old L2 ID (before PC5 link establishment) and new L2 ID (after PC5 link establishment) by its implementation".

Agreement on SL CA before UC link is established:

1: SL CA is not applied before UC link is established.

**2. Actions:**

**To SA2**: RAN2 respectfully asks SA2 to take the above information into account in related work and whether any issue on the RAN2 assumption is observed by SA2.

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

TSG RAN WG2 Meeting#123-bis October 09 – 13, 2023 Xiamen, China

TSG RAN WG2 Meeting#124 November 13 – 17, 2023 Chicago, USA