**3GPP TSG-RAN WG2 Meeting #123 R2-2309155**

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

**Title: [Draft]**LS to SA2 on TX Profile for SL CA

**Response to:**

**Release:** Rel-18

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

**Source: Apple [To be RAN2]**

**To: SA2**

**Cc:**

**Contact person:** Zhibin Wu

**zhibin\_wu AT apple.com**

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

**Attachments:**

# 1 Overall description

RAN2 has discussed the backward compatibility issue for groupcast/broadcast of Rel-18 SL CA and reached the following agreement on TX profile extension for SL CA:

When the upper layer provides multiple carriers in service to carrier mapping information to AS, we need TX profile extension to inform whether the transmission corresponding the service is backward compatible or not. If backward compatible is needed, only legacy carrier is used for transmission when PDCP duplication is not used. If PDCP duplication is used, at least legacy carrier is used. FFS whether to use PDCP duplication or not is up to UE implementation.

# 2 Actions

**To SA2:**

RAN2 respectfully asks SA2 to take the above agreement into account in SA2 work.

# 3 Dates of next TSG-RAN WG2 meetings

TSG RAN WG2 Meeting #123-bis October 9 – 13, 2023 Xiamen, China

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