**3GPP TSG-RAN2 #117-e R2-2203693**

Electronic Meeting, 21st February– 3rd March, 2022

**Title:** LS on Tx Profile

**Release:** Rel-17

**Work Item:** NR\_SL\_enh-Core

**Source:** RAN2

**To:** SA2

**Cc:** CT1

**Contact Person:**

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**Attachments:** **None**

**1. Overall Description:**

In RAN2#117-e meeting, RAN2 discussed the information to be indicated in NR Tx Profile and made the following agreement:

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| 1. The Tx profile should include at least the information of DRX support or not.  2. Check with SA2 whether a same L2 ID may associate with multiple Tx profiles, and thus may associate with both DRX-based Tx profile and non-DRX based Tx profile in Rel-16. Then also check with SA2 if feasible for Rel-17 SL DRX operation, L2 id is only associated with either DRX-based TX profile(s) or non-DRX based TX profile(s). DCR issue raised by ZTE can be discussed as part of LS preparation. If the question is valid to companies, we’re also adding that question otherwise we’re not adding it. Working assumption: no additional RAN2 work if SA2 confirms it’s feasible for Rel-17 SL DRX operation, L2 id is only associated with either DRX-based TX profile(s) or non-DRX based TX profile(s).  3. For GC, we will check with SA2 whether the mapping from L2 id to TX profile is feasible in the gNB (like what we did in LTE). Working assumption: no additional RAN2 work if SA2 confirms it’s feasible.  4. The default SL DRX configuration for BC/GC [(including at least DRX cycle, start offset and on-duration timer)] can be used for both BC-based and UC-based DCR message.  . |

In addition, RAN2 would like to ask SA2 for some clarifications on following questions:

* Question 1： May a same L2 ID associate with multiple Tx profiles, and thus associate with both DRX-based Tx profile and non-DRX based Tx profile in Rel-16? Based on the wording assumption above, RAN2 would like to check with SA2 if it is feasible that L2 id is only associated with either DRX-based TX profile(s) or non-DRX based TX profile(s).
* Question 2: For Groupcast, whether the mapping from L2 id to TX profile feasible in the gNB (like what we did in LTE for broadcast)? Based on the working assumption above, RAN2 assumes no additional RAN2 work if SA2 confirms it is feasible.

**2. Actions:**

**To SA2**: RAN2 respectfully requests SA2 to take the above agreements into account in the further work and to provide feedback for the above questions on NR Tx Profile.

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

RAN2#118-e 16th May - 27th May 2022 E-meeting

ASN.1 review 20th April - 22th April 2022 E-meeting

RAN2#119 22th August - 26th August 2022 Toulouse, FR