

Title: LS to RAN1 on RAN2 agreements on skipping Uplink transmission
Response to: -
Release: Rel-14
Work Item: LTE_LATRED_L2-Core

Source: RAN2
To: RAN1
Cc: -

Contact Person:

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1. Overall Description

RAN2 would like to inform RAN1 of the agreements and assumptions made on the latency reduction WI:

- a. RAN2 agreed to introduce shorter SPS periodicity (e.g. 1ms) for latency reduction and that the UE can skip UL transmission on PUSCH when there is no UL data in the transmit buffer. The UL transmission skipping is RRC configured separately for SPS and dynamic grant.
- b. RAN2 agreed to allow and prioritize non-adaptive retransmission over new transmission on SPS resource. RAN2 understands the eNB may not be able to distinguish between UL transmission and skipped UL transmission (i.e. DTX), thus if some PUSCH transmission detection is missed, the eNB may not always be able to combine retransmissions with implicitly increased RV as currently defined for non-adaptive retransmissions. Therefore, RAN2 took a working assumption that non-adaptive retransmissions on SPS resource are done based on RV 0.
- c. RAN2 assumes that if MAC does not generate a TB as a result of enabling UL skipping, the UCI should be sent on PUCCH even if there is a valid PUSCH allocation on that subframe. RAN2 would like RAN1 to confirm whether there is any concern from RAN1 point of view.

2. Actions:

ACTION: RAN2 respectfully asks RAN1 to confirm the RAN2 assumptions regarding bullet b and provide feedback if any concern, and align their specifications on UCI regarding bullet c if needed.

3. Date of Next RAN2 Meetings:

RAN2#95	22 nd – 26 th August	Gothenburg, Sweden
RAN2#95bis	10 th – 14 th October	Kaohsiung, Taiwan