3GPP TSG-RAN WG4 Meeting # 102-e R4-22xxxxx

Online Meeting, 21 February - 03 March 2022

**Title: Reply LS on Length of Maximum duration**

**Response to: R1-2106212 “LS on joint channel estimation for PUSCH and PUCCH”**

**Release: Rel-17**

**Work Item: NR\_cov\_enh**

**Source: RAN4**

**To: RAN1, RAN2**

**Cc:**

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

**Attachments:**

# 1 Overall description

RAN4 replied to LS R1-2106212 from RAN1 regarding maximum duration earlier with R4-2206537, which indicated that RAN4 concluded that for per band UE capability on length of maximum duration, the set of values of duration lengths for FDD are {4, 8, 16, 32} slots. Meanwhile, RAN4 will not define the requirements with 32 slots for FDD in Rel-17.

RAN4 continued discussing the granularity of the UE capability and the length of maximum duration for TDD, and further concluded that:

For the granularity of the UE capability on length of maximum duration:

* Per band UE capability was agreed in RAN4 #101e-bis. RAN4 has not discussed requirements for combination of this feature with CA in Rel-17, and RAN4 suggests the final decision on the granularity to be made in RAN1.

For the length of maximum duration for TDD:

* For length of maximum duration for TDD, the set of values of duration lengths at least includes {5, 8} slots, and whether 2 slots and 16 slots can be included in the set of values for UE capability reporting is up to RAN1 to decide.

# 2 Actions

**To RAN1 and RAN2**

**ACTION:** RAN4 respectfully asks RAN1 and RAN2 to take the above information in to consideration in their work.

# 3 Dates of next TSG RAN WG 4 meetings

RAN4#103-e 2022-05-16 - 2022-05-27 Electronic

RAN4#104 2022-08-22 - 2022-08-26 Toulouse, FR