**3GPP TSG-RAN WG4 Meeting #112 *R4-241zzzz***

**Maastricht, Netherlands, 19th – 23rd August 2024**

**Agenda item:** 7.1

**Source:** Nokia

**Title:** NR Basket Part 1 adhoc minutes

**Document for:** Information

# Work practice for big CRs

Options to be considered:

1. Single official bigCR submitted/reserved by the “1st” Rapporteur, the co-rapporteurs are expected to help with the drafting

2. Multiple official bigCRs submitted/reserved by the objective responsible Rapporteur (i.e. from both the 1st Rapporteur and the co-Rapporteurs)

3. Multiple official draft bigCRs drafted by the objective responsible Rapporteur which are then merged into one BigCR by the 1st Rapporteur

LGE: option 2 for EN-DC basket

Huawei: option 2 to balance the workload

Qualcomm: practical considerations should be taken into account for option selection

CHTTL: all Rapporteurs are ok with option 2

Nokia: MCC would like to have as few CRs as possible, important not to have any overlaps in CRs. Option 2 should be ok from that perspective. Option 1 is also fine.

AT&T: option 1 is preference but we can accept option 2 having in mind there are no overlaps and not taking changes to the same table

Ericsson: option 1 and 2 are fine

Agreement: for August meeting, multiple official bigCRs submitted/reserved by the objective responsible Rapporteur (i.e. from both the 1st Rapporteur and the co-Rapporteurs), no overlapping changes as well as no changes to the same table in different CRs. For October meeting, use option 1. Decide final option before November meeting submission deadline.

# R4-2411166

On DC\_3C\_n7B with UL DC\_3C\_n7B, Apple

Skyworks: Remark: Suggest to further discuss this paper during the ad-hoc meeting. We think RAN4 should first reach an agreement on whether the MSD test points with the UL-CA band configuration 1RB+1RB should be kept or not and then discuss how to handle quadruple beat MSD analysis or restriction to 3UL CCs.

CHTTL: For the inter-band CA, currently combinations with four UL CCs are not supported, maybe can further discuss.

Apple: This contribution is not intended for block approval. We suggest discussing it in an ad hoc meeting on how to handle band combinations with 4UL CCs in general in Rel-19 using this particular requested band combination as an example.

Qualcomm: Inter-band UL CA with 2CC’s on each UL band needs discussion during the meeting.

Nokia: This is for discussion and can't be block approved

Qualcomm: Regarding Skyworks proposal, it does not have to be tight together. Request to have more time to think about it until next meeting.

Skyworks: this is the first combination so would be good to understand how to treat this case. We need to clarify if we change the RAN4 scope

CHTTL: we can apply that for EN-DC

Apple: this combination is the only one in the basket

Nokia: since there is ambiguity, it would be good to clarify what are the consequences with respect to this proposal

Skyworks: up to now the scope was limited to two clusters and 3 CCs maximum

CHTTL: this combination was transferred from Rel-18

# R4-2411319

Test points for DC\_(n)8AA BCS0, Murata

Skyworks: Remark: We are fine with the proposed test points. Discuss at ad-hoc if this combination should be restricted to single switched uplink operation.

CHTTL: for the 1UL with single switched UL, the delta R IBNC is used, instead of MSD.
Note that during the request, sometimes company didn't specifically mentioned whether single UL only is proposed or not, usually they reflect it directly in the TP, would like to further discuss.

Apple: This is a discussion paper with proposals which may not be subject to block approval. We suggest discussing it in an ad hoc meeting to clarify whether the combination is for single switched UL only then we can discuss the MSD test point proposals.

Chair: there was clarification offline it is for single switched UL only

Murata: we are fine with that

Skyworks: perhaps we should ask proponent if they need another test point

CHTTL: we have interest in this configuration, will discuss offline with China Unicom. No need to rush for this meeting

# R4-2413070

DC\_(n)8AA MSD, Skyworks

Skyworks: Remark: Suggest to discuss whether this band combination should be restricted to single switched operation or not : The dual UL MSD is likely to be very high (>30dB), the benefits of dual UL operation are questionable. Then we may discuss the number of MSD test points.

CHTTL: for the 1UL with single switched UL, the delta R IBNC is used, instead of MSD?
Note that during the request, sometimes company didn't specifically mentioned whether single UL only is proposed or not, usually they reflect it directly in the TP, would like to further discuss.

Apple: This is a discussion paper with proposal which may not be subject to block approval. We suggest discussing it in an ad hoc meeting to clarify whether the combination is for single switched UL only then we can discuss the MSD test point proposal.