**3GPP TSG-RAN WG4 Meeting #104-e R4-2214425**

**<Electronic Meeting>, 15th-26th Aug, 2022**

**Title:** WF on fallback rules of band combination

**Agenda Item:** 10.1

**Source:** Samsung, CHTTL, Nokia, ZTE, Huawei, Skyworks, Apple

**Document for:** Approval

# Background

MCC tasks RAN4 to list the restrictions for companies to propose the new band combinations in the affected basket WIDs so that people can take them into account. Here the restriction means that the proponents should propose all the necessary fallback modes together with the proposed band combinations. Although this rule has been captured in RAN4 approved document, e.g., R4-161491 and it would be common understanding in RAN4, it would be better to make such rule clearer in WIDs as suggested by MCC to facilitate delegates who are not very familiar with such rule to prepare their proposal.

# WF

## The text regarding the fallback aspects need to be captured in each basket WID.

**Below text regarding the fallback aspects are supposed to be added in justification of each basket WID in RAN#97e.**

* A) Request for additions of band combinations to this WI shall be provided using an agreed template and sent to the 3GPP\_TSG\_RAN\_WG4\_NR\_BANDS email reflector before a RAN4 Tdoc submission deadline and no new band combinations are allowed to be requested after the deadline except to correct the missing fallback and add more supporting companies for the proposed band combinations..
* B) When a proponent requests a new band combination, all the next level fallback configurations shall be listed and recorded in the request template and the status (“New”, “Ongoing”, “Completed”) of all the fallback configurations shall be declared accurately and clearly. For “New” fallback configurations, the proponent shall ensure these fallback configurations are also requested together with the higher order band combination in the same meeting.
* C) A band combination configuration can only be considered as completed when all of the fallback configurations are completed and specified in advance or at the same meeting. It is the responsibility of the proponent to ensure the status of all of the fallback mode configurations. Rapporteurs and other companies are encouraged to check the status of all of the fallback configurations once the higher order band combinations are declared as completed.

(Note that 3GPP\_TSG\_RAN\_WG4\_CA is used for the LTE CA baskets WI)

## Action in case the fallbacks submitted in the same meeting are not clearly mentioned in TP or Draft CR

When the below approved rule is not followed by the proponents, TP/draft CR could be flagged by rapporteurs/ interested companies, and the TP/draft CR shall be noted if the lower order fallbacks are missing.

*# Proponents should prepare and submit the corresponding contributions, e.g. draft CR, TP before RAN4#X meeting. If a draft CR or TP is depending on approval of lower order fallbacks submitted at the same meeting, this need to be clearly mentioned in the cover sheet of the draft CR or in the heading of the TP*.

(Note: The above rule is approved in RAN4#102-e and captured in TR 38.862-h10)

## The aspects should be considered in terms of fallbacks.

*(It should be noted this topic would be discussed in the dedicated Rel-18 SI (FS\_SimBC) in next RAN4 meeting. The outcome could be considered being captured in the Basket WIDs if necessary.)*

FFS what aspects should be considered for fallbacks, including but not limited to:

* Elaborate how to analyse and list the possible UL/DL configurations for some general cases and special cases.
* BCS configuration
* Which MSD needs to be reviewed when a new BCS is introduced

FFS on how to handle the fallback check among different CRs from different basket WIs.

# References

[1] R4-2214232, Email discussion summary for [104-e][105] NR\_Baskets\_Part\_1