**3GPP TSG RAN Meeting #93-e RP-21xxxx**

**Electronic Meeting, September 13 - 17, 2021**

**Agenda item:** 9.4.2.8

**Source:** Nokia (moderator)

**Title:** Moderator's summary for email discussion [93e-27-EN-DC-2+4Band]

**Document for:** Discussion

# Introduction

In this document, we will provide a summary for the email discussion on [93e-27-EN-DC-2+4Band] at RAN#93-e related to the WID on Rel-17 Dual Connectivity (DC) of x bands (x=1,2) LTE inter-band CA (xDL1UL) and 4 bands NR inter-band CA (4DL1UL).

# Topic #1: Removal of a note from the WID

## Proposed objectives

**Topic #1** will capture the outcome of the discussions related to the following proposal in RP-212097 [1]:

Remove the following note from the current WID on Rel-17 Dual Connectivity (DC) of x bands (x=1,2) LTE inter-band CA (xDL1UL) and 4 bands NR inter-band CA (4DL1UL) in RP-211592

* + For NR CA, at least one of the NR bands is FR2 band

## Initial round

### Open issues

Issue 1.2-1: Aim is to find a way forward for the proposal to remove the following note from the current WID

Note: For NR CA, a least one of the NR bands is a FR2 band.

The following summarizes the options to consider for Issue 1.2-1.

* **Option 1: Agree to remove the note**
* **Option 2: Disagree to remove the note**
* **Option 3: Other proposal as a way forward**

### Collection of company views

Issue 1.2-1: Indicate which option is preferred concerning the removal of the note “For NR CA, a least one of the NR bands is a FR2 band”:

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| --- | --- |
| **Company** | **Comments** |
| SoftBank | Our preference is Option 1.  If the reason for the note is just operators’ demand, we would clarify that we have a demand to have FR1-only band combination in this basket. If there is any reason why basket approach is not appropriate, we are fine to consider Option 3. |
| Verizon | Before a decision, we need to clarify if the Option 1 would NOT preclude the FR2 band(s) from this ED-DC WID. If not, we agree Option 1. Otherwise, we should consider Option 3.  For the Option 3 WF, it should further clarify the Note and states clearly that it does not exclude the FR2 band(s) from this WID. |
| NTT DOCOMO, INC. | We have same opinion with Verizon. We support Option 1 but FR2 band should not be completely precluded by removing the note. |
| SoftBank | Just to clarify the intention of our proposal, we don’t intend at all to preclude the inclusion of FR2 band(s) in NR-CA part. The intention is that the case of FR1-bands only for NR-CA part, e.g. LTE 2-band + NR FR1 4-band, should be allowed in this basket item. |
| ZTE | For the case as mentioned by SoftBank, “LTE 2 bands + NR 4 FR1 bands”, if it is not covered in other basket WIDs, and intended for this WID, then we are ok with Option 1. |

### Summary and recommendation for further discussion

In this section, the summary of comments on Topic#1 and the corresponding moderator recommendations are provided.

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|  | **Summary and recommendation** |
| **Moderator** | **Moderator Recommendation:** |

## Intermediate round

### Open issues

### Collection of company views

### Summary and recommendation for further discussion

## Final round

### Open issues

### Collection of company views

### Summary and recommendation for further discussion

## Final comments

# Topic #2:

## Proposed objectives

Topic #2 will capture the outcome of the discussions related to the rapporteur’s WID update for Rel-17 Dual Connectivity (DC) of x bands (x=1,2) LTE inter-band CA (xDL1UL) and 4 bands NR inter-band CA (4DL1UL) WID proposed in RP-212190 [2].

## Initial round

### Open issues

Issue 2.2-1: RAN needs to decide the approval of the WID updates from the rapporteur in RP-212190 [2]. The WID update includes regular rapporteur WID updates like Unique identifier, update to the rapporteur name etc.

The following summarizes the options to consider for Issue 2.2-1.

* **Option 1: Approve the WID update**
* **Option 2: Do not approve the update and why**
* **Option 3: Other/comments**

### Collection of company views

Issue 2.2-1: Indicate which option is preferred

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| **Company** | **Comments** |
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### Summary and recommendation for further discussion

In this section, the summary of comments on Topic#2 and the corresponding recommendations are provided.

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|  | **Summary and recommendation** |
| **Moderator** | **Moderator Recommendation:** |

## Intermediate round

### Open issues

### Collection of company views

### Summary and recommendation for further discussion

## Final round

### Open issues

### Collection of company views

### Summary and recommendation for further discussion

## Final comments

# Final Conclusions

**Moderator Recommendations:**

# References

[1] RP-212097, Motivation on addition of FR1 4 Bands for 2+4 band EN-DC, SoftBank Corp.

[2] RP-212190, Revised WID on Rel-17 Dual Connectivity (DC) of x bands (x=1,2) LTE inter-band CA (xDL1UL) and 4 bands NR inter-band CA (4DL1UL), Huawei, HiSilicon