**3GPP TSG-RAN WG2 Meeting #109bis-e R2-20xxxxx**

**Electronic, 20 April – 30 April 2020**

**Agenda Item:** 6.19

**Source:** Huawei

**Title:** [AT109bis-e][046][NR16 Other] EN-DC FDD+TDD HPUE (Huawei)

**WI code(s):** NR\_newRAT-Core

**Document for:** Discussion and Decision

## 1 Introduction

This document is to kick off the below offline discussion:

* [AT109bis-e][046][NR16 Other] EN-DC FDD+TDD HPUE (Huawei)

Scope: Treat papers above on EN-DC FDD+TDD HPUE.

Wanted Outcome: Agreed-in-principle CRs

Deadline: April 28 0700 UTC

## 2 Discussion

The intention is to discuss how we capture the RAN2 signaling based on [1]. The corresponding contributions are listed below.

[R2-2003448](file:///C%3A%5C%5Ctemp%5C%5C3GPP%5C%5C3GPP_meeting%5C%5CRAN2%5C%5CRAN2%23109e-bis%5C%5CInbox%5C%5Cdrafts%5C%5CDocuments%5C%5C3GPP%5C%5Ctsg_ran%5C%5CWG2%5C%5CTSGR2_109bis-e%5C%5CDocs%5C%5CR2-2003448.zip%22%20%5Co%20%22D%3ADocuments3GPPtsg_ranWG2TSGR2_109bis-eDocsR2-2003448.zip) On the support of EN-DC FDD+TDD HPUE Huawei, HiSilicon discussion Rel-16 ENDC\_UE\_PC2\_FDD\_TDD-Core

[R2-2003449](file:///C%3A%5Ctemp%5C3GPP%5C3GPP_meeting%5CRAN2%5CRAN2%23109e-bis%5CInbox%5Cdrafts%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_109bis-e%5CDocs%5CR2-2003449.zip) support of EN-DC FDD+TDD HPUE Huawei, HiSilicon draftCR Rel-16 38.331 16.0.0 B ENDC\_UE\_PC2\_FDD\_TDD-Core

[R2-2003450](file:///C%3A%5Ctemp%5C3GPP%5C3GPP_meeting%5CRAN2%5CRAN2%23109e-bis%5CInbox%5Cdrafts%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_109bis-e%5CDocs%5CR2-2003450.zip) support of EN-DC FDD+TDD HPUE Huawei, HiSilicon draftCR Rel-16 38.306 16.0.0 B ENDC\_UE\_PC2\_FDD\_TDD-Core

Q1: Do companies agree with the P1 in R2-2003448?

|  |  |  |
| --- | --- | --- |
| Company | Yes/No | Comments |
| NTT DOCOMO | No | Although the proposal has a typo of reporting DutyLTE1, DutyLTE2 (it should be DutyNR1 and DutyNR2), there are still some open issues discussed by RAN4. It is FFS whether both DutyNR1 and DutyNR2 have to be reported or one of them is enough. It is premature to look into this topic in RAN2, since anyway, RAN2 has not received a formal LS from RAN4 yet. |
| OPPO | No | We share the view from DCM that this issue has not been finalized in RAN4, i.e., the whole mechanism is still be clarified in details. So we can wait for further progress in RAN4 on this. |
| Qualcomm Incorporated | No | In general it is not a good idea to react on a WF only seen by other WG. |
| ZTE | No | Share the same view as DCM, we can wait for the LS from RAN4 before any decision |
| Huawei | OPEN | It is worth clarifying that the intention is not to agree any CRs in RAN2. We understand that RAN4 has some remaining issues, which are mainly for the default values when the capabilities are not reported. Our intention is to start discussing the signaling design a bit earlier as we only have one meeting left. Of course the final agreement should be decided once RAN4 completes the remaining issues. We are fine to keep this email discussion open in case RAN4 would send LS or completes the topic during this emeeting. Otherwise we agree to postpone this discussion to next RAN2 emeeting. |
| Apple | No | Agree with companies that we could wait for the final agreement from RAN4. |

Q2: Do companies have any comments on the 38.331 and 38.306 CRs?

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| --- | --- | --- |
| Company | Yes/No | Comments |
| NTT DOCOMO | Yes | As commented to Q1, RAN2 should wait for the formal input from RAN4. |
| OPPO |  | As answered to Q1. |
| ZTE | Yes | First we can wait for the LS from RAN4 before any decision, second even according to the WF, “ the EUTRA FDD 30% duty cycle (dutyLTE1) and 70% duty cycle (dutyLTE2)” in 38306 shall be changed to EUTRA FDD 70% duty cycle (dutyLTE1) and 40% duty cycle (dutyLTE2) to keep align with RAN4 WF and In 38331 the name shall be changed to dutyNR1 and duty NR2 for that it indicates the duty cycle of NR |
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## 3 Conclusions

[To be updated]

## 4 References

[1] R4-2002835 WF on EN-DC FDD+TDD HPUE China Unicom, CHTTL, vivo, Xiaomi, SGS Wireless