3GPP TSG-RAN WG2 #112-e R2-20xxxxx

Electronic Meeting, 2nd – 13th November 2020

Agenda Item: 6.8.1

Source: Ericsson (rapporteur)

Title: [AT112-e][220][DCCA] Simple DCCA corrections

Document for: Discussion, Decision

# 1 Introduction

This document is to kick off the following email discussion:

* [AT112-e][220][DCCA] Simple DCCA corrections (Ericsson)

Scope:

* Discuss DCCA corrections under 6.8.1/6.8.3/6.8.4/6.8.5 marked for the discussion to see which CRs could be agreeable

        Intended outcome:

* Discussion summary in [R2-2010730](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2//TSGR2_112-e/Docs//R2-2010730.zip) (by email rapporteur).

        Deadline for providing comments, for rapporteur inputs, conclusions and CR finalization:

* Initial deadline (for companies' feedback):  1st week Fri, UTC 0900
* Initial deadline (for rapporteur's summary in [R2-2010730](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2//TSGR2_112-e/Docs//R2-2010730.zip)):  2nd week Mon, UTC 13:00

# 2 Discussion

To make it easier to find the correct contact delegate in each company for potential follow-up questions, the rapporteur encourages the delegates who provide input to provide their contact information in this table:

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| --- | --- |
| Company | Delegate contact |

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| --- | --- |
| Ericsson | stefan.wager@ericsson.com |
| Qualcomm | chengp@qti.qualcomm.com |
| MediaTek | Chun-Fan.Tsai@mediatek.com |
| ZTE | liu.jing30@zte.com.cn |
| vivo | wenjuan.pu@vivo.com |
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Companies are requested to add their comments for each of the treated CRs of this email discussion in the boxes below.

## 2.1 General and Stage 2 Corrections

[R2-2009352](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2//TSGR2_112-e/Docs//R2-2009352.zip) Miscellaneous corrections on early measurement reporting in 38.331 CATT CR Rel-16 38.331 16.2.0 2056 - F LTE\_NR\_DC\_CA\_enh-Core

*Rapporteur comment: Mostly editorial corrections on early measurements.*

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| Company | Agree CR?(Yes or No) | Comments |
| Ericsson | Yes | Editorial changes that can be merged with rapporteur misc corrections CR.A few detailed comments:* In the reason for change in the cover sheet the description of 4 does not really match the change “The procedure text of storing early measurement results for serving cell is not aligned with that for cells applicable for idle/inactive measurement reporting”. The change consists of adding a further detail for the storing of the “cells applicable for idle/inactive measurement reporting”, i.e. there is no change for the serving cells part.
* For the change from “intra RAT” to “intra-RAT” it seems fine to align but there are currently only 2 occurrences of “intra-RAT” in 38.331, and it seems that both “inter RAT” (15 occurrences) and “inter-RAT” (79 occurrences) are used in the spec.
* A small detail for the cover sheet (architecture options) is that early measurements in 38.331 are not addressing (NG)EN-DC.
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| Qualcomm | Yes | Agree Ericsson that those are editorial changes which can be merged with rapporteur CR.  |
| MediaTek | Yes | Agree to merge into rapporteur CR. |
| ZTE | Yes | Agree to merge into rapporteur CR. |
| vivo | Yes | Agree to merge into rapporteur CR.**For 1st change:** it seems not needed according to the rapporteur comments.**For 2st/3st/5st changes:** they are valid and shall be agreed.**For 4st change:** the change seems no need but to add more detail information for cells applicable for idle/inactive measurement reporting. Agree with the rapporteur, i.e., the reason description in cover sheet should be updated if the change is agreed.  |
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[R2-2009353](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2//TSGR2_112-e/Docs//R2-2009353.zip) Miscellaneous corrections on early measurement reporting in 36.331 CATT CR Rel-16 36.331 16.2.1 4460 - F LTE\_NR\_DC\_CA\_enh-Core

*Rapporteur comment: Mostly editorial corrections on early measurements. The exception is maybe the second change, which states that bandwidth is not a condition for judging whether CA supported, so the CR proposes to remove the bandwidth check when determining to start early measurements. Since this has been there since Rel-15, companies are requested comment whether this change would cause issues with any implementations.*

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| Company | Agree CR?(Yes or No) | Comments |
| Ericsson | Yes, at least partly. | Changes are fine except maybe for change 2, since it would be a functional change, possibly with Rel-15 impact. If we change it for Rel-16 we also need to decide what to do with Rel-15, since the same bandwidth check is made there. On the other hand, the change would not have much impact. UE would start early measurements a bit more often, i.e. without checking the BW constraint. So if the change is fine with others, we do not object. |
| Qualcomm | Disagree 2nd change | We agree with Rapporteur/Ericsson that 2nd change is not needed. In our understanding, the UE needs to check BW before LTE early measurement, which is intended to check configuration validity. It is needed also for IDLE mode measurement for cell (re)selection. And this part is legacy, which may also impact Rel-15. We think other corrections are editorial changes which can be merged with rapporteur CR. |
| MediaTek | Partial agree | Similar view as QC. 2nd change is not needed. Others could merge to rapporteur CR. |
| ZTE | Partially | Same view as QC and MTK, and we also think others could be merged into rapporteur CR.  |
| vivo | Partial agree | **For the 1st and 6stchanges:** According to Section 5.6.20.4 for intra-RAT cell selection or reselection occurs part, “Upon update of system information (SIB5, or SIB24)” has already included the case of intra-RAT cell (re)selection. In our understanding, there is no problem with the original 36331text, and no need to align with 38331 text.**For 2st change:** we share same view as other companies. Other changes are correct and can be merged into rapporteur CR. |
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## 2.2 Other DCCA corrections

[R2-2010026](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2//TSGR2_112-e/Docs//R2-2010026.zip) Correction on sk-counter in RRCResume Ericsson CR Rel-16 38.331 16.2.0 2164 - F LTE\_NR\_DC\_CA\_enh-Core

*Rapporteur comment: Clarification on “SCG is configured” to clarify that it applies also to the case where SCG was configured before.*

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| Company | Agree CR?(Yes or No) | Comments |
| Ericsson | Yes (proponent) | Without the clarification, it is not clear when sk-counter shall be included in *RRCResume*. |
| Qualcomm | Yes | In our understanding, it is just intended to clarify sk-counter is also applied to resume case, which is reasonable.  |
| MediaTek | Yes |  |
| ZTE | Yes |  |
| vivo | Yes |  |
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[R2-2009354](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2//TSGR2_112-e/Docs//R2-2009354.zip) Miscellaneous corrections for Rel-16 DCCA in 38.331 CATT CR Rel-16 38.331 16.2.0 2057 - F LTE\_NR\_DC\_CA\_enh-Core

*Rapporteur comment: Corrections on measConfig handling during MR-DC release.*

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| Company | Agree CR?(Yes or No) | Comments |
| Ericsson | Yes, partially | We disagree the first change with following comments:* In 38.331, measConfigSN is an IE used only for inter node messaging, thus it should not be released in MR-DC release procedure. For the E-UTRA SCG case, the measurement configuration is released in 36.331.
* For measConfig, it does not really matter whether the release is as it is now or moved into the NR SCG if statement. If it is moved according to this CR, then we should move also the SRB3 release, which only applies to NR SCG.

We agree the remaining changes 2 and 3, which being small could be added to the rapporteur CR on miscellaneus corrections. |
| Qualcomm | Disagree 1st change | Same view as Ericsson  |
| MediaTek | partially | Similar view as Ericsson and Qualcomm |
| ZTE | partially | Same view as above companies |
| vivo | Agree | **For the 1st change:** According to TS 36.331, *measConfigSN* is used for NE-DC case, and is configured by E-UTRA SCG.

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| ***measConfigSN***Measurements that E-UTRAN may configure when the UE is configured with NE-DC and for which reports are carried within an NR RRC message. |

And, during MR-DC release for NE-DC case, the release of this IE (*measConfigSN*) should be specified in TS 38.331. Thus, we think the change is correct and shall be agreed. Besides, SRB3 release action can also be moved to NR SCG case, as pointed out by rapporteur.**For the 2st change:** it is also correct, and can be merged to rapporteur CR. |
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[R2-2010120](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2//TSGR2_112-e/Docs//R2-2010120.zip) Miscellaneous corrections for DCCA Huawei, HiSilicon CR Rel-16 36.331 16.2.1 4497 - F LTE\_NR\_DC\_CA\_enh-Core

*Rapporteur comment: The first change is to add a missing “inactive” to AS context. The second change is to add DLInformationTransferMRDC in table of protected RRC messages in A.6.*

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| Company | Agree CR?(Yes or No) | Comments |
| Ericsson | Yes, partly | We agree with the first change, which is a copy-paste error. Can be merged with rapporteur misc corrections CR.Disagree the second change, as there is no *DLInformationTransferMRDC* in 36.331, since there is no SRB3 in EUTRA. |
| Qualcomm | Disagree 2nd change | Same view as Ericsson |
| MediaTek | partially | Similar view as Ericsson and Qualcomm |
| ZTE | partially | Same view as above companies |
| vivo | partially | Similar view as rapporteur. |
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[R2-2009415](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2//TSGR2_112-e/Docs//R2-2009415.zip) Correction on tdm-PatternConfig2 configuration upon MR-DC Release MediaTek Inc. CR Rel-16 36.331 16.2.1 4462 - F LTE\_NR\_DC\_CA\_enh-Core

*Rapporteur comment: Correction on tdm-PatternConfig2 release upon MR-DC release.*

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| Company | Agree CR?(Yes or No) | Comments |
| Ericsson | Yes | tdm-PatternConfig2 should be released same as tdm-PatternConfig |
| Qualcomm | Yes |  |
| MediaTek | Yes | Proponent |
| ZTE | Yes | Agree |
| vivo | Yes |  |
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# Conclusion

# References

[1]