**3GPP TSG-RAN WG2 Meeting #130 R2-250xxxx**

**St Julian, Malta, 19th – 23rd May 2025**

**Source: Huawei, HiSilicon**

**Title: Remaining RRC open issue for 36.331 CR for R19 SONMDT**

**Agenda Item: XX.XX.XX**

**Document for: Discussion and Decision**

1. Introduction

The following document includes a list of RRC open issues for LP-WUS/WUR according to the following email discussion:

* [Post129bis][604][SONMDT] Running LTE RRC CR for SONMDT (Huawei)

Scope:

1. Update the running CRs based on the progress in the meeting

      Intended outcome:

* + - Updated running CR to be submitted to next meeting

     Deadline:

* + - Long

Companies are invited to provide comments/additional issues in the below table by May 1st 10:00 UTC, 2025.

# Discussion

* 1. Open issues

**Open issue LTERRC-1: Condition for UE setting timeSCGFailure and previousPSCellId**

At RAN2#129bis meeting, the open issue list Tdoc [2] was discussed. For the second open issue, RAN2 had some online discussion, but it still needed more time to check it. The following text is about this issue (from [2]):

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During the email discussion, the following text was discussed.

2> else:

3> set the *failedPSCellId* to the physical cell identity and carrier frequency of the PSCell in which the SCG failure was declared;

3> if the last *RRCReconfiguration* message including the *reconfigurationWithSync* for the SCG was received to enter the PSCell in which the SCG failure was declared:

4> set the *timeSCGFailure* to the elapsed time since the last execution of *RRCReconfiguration* message including the *reconfigurationWithSync* for the SCG until declaring the SCG failure;

4> set the *previousPSCellId* to the physical cell identity and carrier frequency of the source PSCell associated to the last received *RRCReconfiguration* message including *reconfigurationWithSync* for the SCG;

For the above highlighted part, one company would like to further discuss it.

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| Samsung (Aby):  Woundn’t this caluse in 3> will be always true? For both SCG addition and change, RRCReconfiguration message will include reconfigurationWithSync for the SCG.  It looks to me that this part seems to be intended only PSCellChange.  First it needs to be clarified, if timeSinceSCGFailure needs to be set for PSCellAddition for these cases.  If yes, this 3> can be removed and 4 should be  4>set the *previousPSCellId* to the physical cell identity and carrier frequency of the source PSCell associated to the last received *RRCReconfiguration* message including *reconfigurationWithSync*, if available;  If no,  We may need to update 3> as below:  3> if the last *RRCReconfiguration* message including the *reconfigurationWithSync* for the SCG was received to enter the PSCell in which the SCG failure was declared from another PSCell:  I think it will need some discussion. |

For the above changes, they are following the definitions from TS 38.331, and NR introduced this text since Rel-17, i.e. R2-2204209. Furthermore, the changes were made based on the RAN3 requirement in the LS R3-211332, and the applicable use case is PScell change failure for MRO.

The CR rapporteur thinks that the condition "RRCReconfiguration message including the reconfigurationWithSync for the SCG" may not always happen before SCG failure happens, e.g. after the UE accesses the network, the MCG and SCG are configured by the network, and then an SCG failure occurs. So this condition is important and it should be kept.

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**Regarding Open issue LTERRC-1, companies are invited to provide comments on whether to keep the following condition or not (it has been captured in section 5.6.13a.3 in *draft\_Running 36.331 CR for R19 SONMDT\_v00-Rapp*). If No, please provide your comments/suggestions.**

3> if the last *RRCReconfiguration* message including the *reconfigurationWithSync* for the SCG was received to enter the PSCell in which the SCG failure was declared:

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| **Company** | **Yes/No** | **Comments, if any** |
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* 1. Other open issues

Companies are invited to provide other open issues if any.

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| **Company** | **Comments** |
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# Conclusion

[To be updated]

# References

1. R2-25xxx, Running 36.331 CR for R19 SONMDT, Huawei, HiSilicon
2. R2-2502788, Open issue list for running 36.331 CR for R19 SONMDT, Huawei, HiSilicon