3GPP TSG-RAN WG3 Meeting #109-e R3-205614

E-meeting, 17 – 27 August, 2020

**Agenda item: 31.3.1**

**Source: Nokia (moderator)**

**Title: Summary of discussions on CB: # 82\_CLImeasEN-DC**

**Document for: Approval**

# 1 Introduction

This paper provides summary of discussions at RAN#109-e on:

**CB: # 82\_CLImeasEN-DC**

**- usage should be about cell-level resources**

**- Xn impact needed?**

**- we should follow current CLI agreements w.r.t. signaling neighbor cell resources**

**- check details**

(Nok - moderator)

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# 2 For the Chairman’s Notes

[To be completed]

# 3 Discussion

## 3.1 Issue 1 - usage should be about cell-level resources

It was commented in the online session that CLI measurements as such were not transferred on the interface. Please provide your company's view:

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| --- | --- |
| Company | Comment |
| Nokia | The CR title of [2] is: "Support for UE CLI measurement for EN-DC". For better clarity, we propose to update the title as follows: "Support for UE CLI measurement configuration transfer for EN-DC" |
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## 3.2 Issue 2 - Xn impact needed?

An XnAP CR is submitted in [6]. Is this CR needed?

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| Company | Comment |
| Nokia | We believe that NG-RAN nodes operating as SN will be interconnected using Xn interface, and that TDD UL/DL assignment can therefore be transferred between SNs using XnAP Served Cell Information NR IE. Hence [6] is not needed. |
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## 3.3 Issue 3 - we should follow current CLI agreements w.r.t. signaling neighbor cell resources

The TDD UL/DL assignment is not transferred for neighbour cells on Xn. As clarified during the online session, it is proposed in [2] (X2AP CR) to include the TDD UL/DL assignment information for NR neighbour cells, for the purpose of providing this information in the direction eNB -> en-gNB. Please provide your company's view whether this is OK.

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| Company | Comment |
| Nokia | (our proposal) OK |
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## 3.4 Issue 4 - check details: stage 3

Please provide your company's view on whether [2] (X2AP CR) can be agreed, and comments in case a revision is needed.

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| Company | Comment |
| Nokia | see proposed revision under issue 1 |
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## 3.5 Issue 5 - check details: stage 2

Stage 2 support was already introduced by RAN2 in TS 37.340 CR#0182r1 ("Introduction of cross link interference management ", R2-201695). There is also submitted a CR in [4].

Companies are requested to comment on need for additional stage 2 description, and comments on [4] if any.

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| Company | Comment |
| Nokia | No strong view on whether additional stage 2 is needed. In [4] is proposed: " MN may coordinate the exchange of intended TDD DL-UL configuration by merging, forwarding and selective forwarding of intended TDD DL-UL configuration(s) between its connected SNs". However we believe this functionality is needed for EN-DC only, and not for the other MR-DC scenarios where we expect that SNs will be inter-connected by Xn interface. |
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# 4 Conclusion, Recommendations [if needed]

If needed

# 5 References

[1] R3-204856 On X2 support for UE CLI measurement for EN-DC Nokia, Nokia Shanghai Bell, Qualcomm Incorporated discussion

[2] R3-204857 Support for UE CLI measurement for EN-DC Nokia, Nokia Shanghai Bell, Qualcomm Incorporated CR 36.423 Rel-16

[3] R3-205187 Support for UE CLI Measurement for MR-DC ZTE discussion Rel-16

[4] R3-205188 37340 CR to Support for UE CLI Measurement for MR-DC ZTE other Rel-16

[5] R3-205189 X2AP CR to Support for UE CLI Measurement for MR-DC ZTE CR 36.423 Rel-16

[6] R3-205190 XnAP CR to Support for UE CLI Measurement for MR-DC ZTE CR 38.423 Rel-16