3GPP TSG-RAN WG3 #115-e R3-222426

21th Feb – 3rd Mar 2022

Online

Agenda Item: 10.3.2.2

Source: Huawei (moderator)

Title: Summary of Offline Discussion on CB: # SONMDT10\_MRDC

Document for: Approval

# Introduction

This is the Sod for the following CB:

**CB: # SONMDT10\_MRDC**

**- For S-based immediate MDT in NR-DC, an indicator meaning “MN only” is introduced in MDT configuration?**

**- The solution for activation of signalling based immediate MDT in the SN captured in current BL CR for XnAP is a good approach for Rel-17?**

(HW - moderator)

Summary of offline disc

# For the Chairman’s Notes

Propose the following:

# Discussion

## S-based MDT indication for MN or SN in MR-DC

This was discussed at last meeting, but not agreed. There are three options discussed at last meeting:

• Option 1: MN+SN

• Option 2: SN only

• Option 3: MN only

In R3-221721 [1], it is proposed to adopt option 3:

**Proposal: For S-based immediate MDT in NR-DC, an indicator meaning “MN only” is introduced in MDT configuration**

While, in R3-221868 [2], it pointed out that option 2 is problematic and conclude that:

**Conclusion: The solution for activation of signalling based immediate MDT in the SN captured in current BL CR for XnAP is a good approach for Rel-17.**

The above mentioned conclusion indicates that option 2 should be ruled out.

Please provide your companies view here.

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| --- | --- | --- |
| Company | Do you agree on option 3 as proposed above? (Yes or No)  Or your preference if any? | Comment/Reason |
| Ericsson | Option 1 or Option 3 | We would prefer to allow for the full flexibility of the solution and to support the configuration of MN only and SN only options. Note that these two options could be very useful for M1 and M2 measurements that may be collected to reveal radio coverage characteristics of the main coverage layer (MN) or of the booster layer (SN).  However, we would be also ok to agree to Option 3 as a step towards a better measurement granularity |
| CMCC |  | We are trying to think about the use case, normally, we could use the management based MDT which could trigger the MDT to MN or SN directly to solve the coverage issues.  Here the signaling based immediate MDT we are talking about is mainly used to trace a specific UE to see whether there are some issues for the UE, may be concerning the radio coverage, the delay or the throughput on MN, SN or MN+SN. In this sense, it is beneficial to have these information for MN and SN reported to OAM and correlated. However, it seems the current spec already allows this, would like to see the benefits of finer granularity. If clear justification is given, we are fine to have it. |
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# Conclusion, Recommendations [if needed]

If needed

# References

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| [R3-221721](file:///D:\会议硬盘\TSGR3_115-e\Docs\R3-221721.zip) | (TP for MDT BL CR for TS38.413): S-based MDT for NR-DC (Huawei) |
| [R3-221868](file:///D:\会议硬盘\TSGR3_115-e\Docs\R3-221868.zip) | Activation of signalling-based immediate MDT in MN/SN (Nokia, Nokia Shanghai Bell) |