3GPP TSG-RAN WG3 Meeting #114bis-e R3-221025

E-meeting, 17 – 26 January, 2022

**Agenda item: 10.3.2.2**

**Source: Nokia - moderator**

**Title: CB: # SONMDT10\_MRDC - Summary of email discussion**

**Document for: Approval**

# 1 Introduction

This paper provides summary of discussions at RAN#114bis-e on:

**CB: # SONMDT10\_MRDC**

**- Introduce signalling from MN to SN informing about UE eligibility for m-based MDT?**

**- In NR-DC scenario, for signalling based immediate MDT, OAM includes an indicator requesting reports from MN or SN or from both MN and SN?**

**- Capture agreements if any**

(Nok - moderator)

For the first round of discussion, please provide your feedback no later than 23:59 Thursday (20 Jan.), UTC time.

# 2 For the Chairman’s Notes

[To be completed]

# 3 Discussion

## 3.1 Issue 1 - SN awareness of UE eligibility for m-based MDT

0334 refers to agreement from RAN2#114-e to introduce assistance information from the UE relative to eligibility for m-based MDT. It is proposed that this information is also made available in the SN via network signalling:

**Proposal: Introduce signalling from MN to SN informing about UE eligibility for m-based MDT.**

Please provide your view on the proposal.

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| --- | --- |
| Company | Comment |
| Huawei | No, based on the latest progress in RAN2, we don't see any clue to have such indication from MN to SN for m-based MDT. |
| CATT | Disagree, we can introduce new signalling until RAN2 explicitly proposal that in other MR-DC scenarios, SN may receive m-based MDT configurations. |
| Qualcomm | No need. We think the RAN2 agreement is that SN can’t configure logged MDT in any MR-DC scenario, not just EN-DC scenario. So, there is no need for MN to propagate the UE assistance regarding “whether there is an s-based MDT configured” to SN. |
| ZTE | No until RAN2 provide specific agreement on this aspects. |

## 3.2 Issue 2 - Request s-based immediate MDT reports from MN or SN or from both MN and SN

0587 observes that there is currently no possibility for the OAM indicate to the RAN whether the OAM is interested in gathering reports from both MN and SN or rather interested in gathering information from one of them. Such functionality is proposed introduced.

**Proposal: In NR-DC scenario, for signalling based immediate MDT, OAM includes an indicator requesting reports from MN or SN or from both MN and SN.**

Please provide your view on the proposal.

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| Company | Comment |
| Huawei | We think that the proposal is beneficial.  Regarding the encoding, probably a single indicator for SN data collection is enough.  Is there the case that OAM wants to collect MDT data only from SN rather than MN? The answer should be NO. |
| CATT | Disagree. Add or delete SN will not inform OAM, so the OAM unable provide the indicator. |
| Qualcomm | Seems OK. Perhaps a single indicator as proposed by Huawei is also enough.  Regarding CATT’s concern, should this indicator from OAM be mandatory then if OAM is not aware of DC connectivity? |
| Nokia | Similar to other companies we don't see any reasonable scenario for s-based MDT where the OAM wants to collect information from SN only, because s-based MDT targets a given UE so then also MN information is needed. Additionally, we don't really see the scenario either where OAM would prefer not to collect information from the MN only and not from the SN in case of DC.  Of course, the default today is that both MN and SN (if any) are traced (including MDT), as per mandate in TS 38.423: "If *Trace Activation* IE has previously been received for this UE, it shall be included in the S-NODE ADDITION REQUEST message."  We believe this default behaviour is sufficient, so no indicator is needed. This will also keep trace and MDT aligned. |
| ZTE | Only provide MN or SN’s report seems need further discussion, the MDT measurement in MR-DC includes network part and UE part. For UE part, the preference is also apply? Then whether RAN node to provide the OAM preference to the UE? |

# 4 Conclusion, Recommendations [if needed]

If needed

# 5 References

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| [R3-220334](file:///C:\\Users\\z00274494\\Downloads\\Docs\\R3-220334.zip) | Further discussion on inter-node coordination for MDT in case of MR-DC (Nokia, Nokia Shanghai Bell) |
| [R3-220587](file:///C:\\Users\\z00274494\\Downloads\\Docs\\R3-220587.zip) | (TP for MDT BL CR for TS 38.413, TS 38.423) Signalling based immediate MDT in NR-DC (Ericsson) |