3GPP TSG-RAN WG3 Meeting #120 R3-233340

Korea, 22 – 26 May, 2023

**Agenda item: 10.2.5**

**Source: Nokia - moderator**

**Title: Summary of discussions on CB # SONMDT6\_MDT**

**Document for: Approval**

# 1 Introduction

This paper provides summary of discussions at RAN3#120 on:

**CB: # SONMDT6\_MDT**

**- Check the scenario and potential issues**

**- Discuss the solution if needed**

(moderator - Nok)

further text

# 2 For the Chairman’s Notes

[To be completed]

# 3 Discussion

## 3.1 Feature description

The referenced papers discuss a feature as described in the following part of the Rel-18 SON/MDT WID (RP-221825):

**Scenario:**

- Support of signaling based logged MDT override protection to address **the scenario where the signaling based MDT is configured in E-UTRAN when [RAN2, RAN3]:**

* **UE reselects to NR while logged measurements are collected**
* **UE reselects to NR after logged measurements are collected and before uploading the logged MDT report.**

**Notification:**

This scenario is notified to the gNB by RRC signalling (RAN2’s “solution 2”).

## 3.2 Scope of protection of EUTRA-configured s-based logged MDT

During offline discussion it is proposed to check whether the following is agreeable:

**Proposal 1: In the discussed scenario, notified to the gNB by RRC signalling (see section 3.1), the gNB shall not configure the UE with s-based logged MDT (and not select the UE for m-based logged MDT).**

Please provide your view whether P1 is agreeable:

|  |  |  |
| --- | --- | --- |
| Company | Answer(yes/no) | Comment |
| Nokia | Yes | This is a feature optionally activated by the network operator. Activation of the present feature may be done per geographical area or PLMN-wide. If the feature is not activated, the gNB will forward s-based logged MDT to the UE as per normal procedure, but still not select the UE for m-based logged MDT.  |
| Huawei | Yes,but | The question needs clarification is that does RAN2 agrees that the s-based logged MDT for NR shall not override the ongoing s-based logged MDT for E-UTRAN in the UE?If yes, then we are fine with P1. |
|  |  |  |

## 3.3 NGAP cause value

3191 proposes:

**Proposal 2: A new cause value introduce in NGAP to inform Core network and OAM that NR Signalling based logged MDT failed due to protection of LTE signalling based logged MDT.**

Is proposal 2 agreeable?

|  |  |  |
| --- | --- | --- |
| Company | Answer(yes/no) | Comment |
| Nokia | No | The operator is aware that the feature described in section 3.1 is activated. No need to inform the CN.  |
| Huawei | No strong view | Maybe needed if no proper existing cause value available. |
|  |  |  |

## 3.4 Other RAN3 specification impact

Do you see other specification impact in RAN3?

|  |  |
| --- | --- |
| Company | Comment |
| Nokia | We assume the notification (see section 3.1) will be provided in NR RRCSetupComplete and RRCResumeComplete messages. A question would be whether the notification is additionally provided in the RRCReconfigurationComplete message. If not, the notification needs to be further propagated to target gNB via network signalling in case of handover. |
| Huawei | Assume the UE will notify the network as well after handover. |
|  |  |

# 4 Conclusion, Recommendations [if needed]

If needed

# 5 References

|  |  |
| --- | --- |
| [R3-232677](file:///C%3A%5CUsers%5Cz00274494%5CDownloads%5CDocs%5CR3-232677.zip) | Signalling based logged MDT override protection (Nokia, Nokia Shanghai Bell) |
| [R3-233191](file:///C%3A%5CUsers%5Cz00274494%5CDownloads%5CDocs%5CR3-233191.zip) | (TPs for MDT BLCRs for TS 38.413)MDT Enhancements (ZTE) |