3GPP TSG-RAN WG3 Meeting #107bis-e R3-202469

E-meeting, 20 – 30 April, 2020

**Agenda item: 10.3.1**

**Source: Ericsson (moderator)**

**Title: Summary of discussions on MDT for Inactive UEs**

**Document for: Approval**

# 1 Introduction

This paper provides summary of discussions at RAN#107bis-e on MDT for Inactive UEs:

**CB: # 1009\_Email\_SON-MDT\_MDT\_Inactive**

**- Take into account related points raised in 1790 (e.g. “open issue #1”) and 1783, 1784 (submitted to 10.3.1)**

**- Collect companies’ views on the issue of Logged MDT availability flag in the RETRIEVE UE CONTEXT RESPONSE message, proceed only if there is consensus or at least clear majority view**

(E/// - moderator)

Summary of offline discussion [R3-202470](file:///E%3A%5C3GPP%20meeting%5CRAN3%5C107bis%5Cinbox%5CCB%20%23%201009_Email_SON-MDT_MDT_Inactive%5CInbox%5CR3-202470.zip)

It is proposed to allocate related TPs to companies as follows:

* TBD

# 2 For the Chairman’s Notes

[To be completed]

# 3 Discussion

## 3.1 How to enforce RAN2’s agreement “*Management based MDT should not overwrite signaling based MDT*”

RAN2 agreed that “*Management based MDT should not overwrite signaling based MDT*”. Companies should provide their view on how to ensure that this agreement is fulfilled for UEs in RRC Inactive that re-connect in a new NG-RAN node.

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| --- | --- |
| Company | Comment |
| ZTE | RAN2 ‘s agreement is not only cover UEs in RRC inactive state but in other RRC state.Take signalling logged MDT for example, after UE receive signalling based logged MDT configuration via RRC message, the UE enters RRC\_IDLE state and starts MDT measurement. When the UE accesses to another gNB, how does the new gNB know whether the UE has a valid signalling based MDT configuration? If the issue is identified, then the candidate approaches including Assistant from Core network, Indication in Xn (as Moderator suggested ), Indication via RRC, etc. The approach provided in R3-202262 seems only apply MDT for UE in RRC\_INACTIVE state.It seems some typos in the tile: the AI seems to be 10.3.2; the title Tdoc number R3-202470. |
| Samsung | When the inactive mode UE is resumed in a new gNB, the new gNB knows whether there is a signalling based logged MDT configuration from the UE CONTEXT RETRIVE RESPONSE message. And if the logged MDT configuration is already sent to the UE, a logMeasAvailable Indicator is included in RRC RESUME COMPLETE message, so the new gNB knows if the UE is configured logged MDT or not. If the UE is not configured, the new gNB sends a configuration message before UE is moves into idle/inactive mode. So the new gNB can ensure “*Management based MDT should not overwrite signaling based MDT*”.  |
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## 3.2 “Signaling Based Logged MDT State” flag in the RETRIEVE UE CONTEXT RESPONSE message on XnAP

In R3-202261, R3-201790 and R3-201784 a solution to ensure the agreement for RAN2 on “*Management based MDT should not overwrite signaling based MDT*” has been proposed. The solution is based on signalling of Logged MDT configurations as pert of the UE Context Retrieval procedures over the Xn interface, together with an indication of whether the configuration has been activated at the UE or whether it is pending to be activated. Companies should provide their view on this solution.

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| Company | Comment |
| ZTE | As explained in section 3.1 |
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### 3.1.2

# 4 Conclusion, Recommendations [if needed]

If needed

# 5 References

[1] R3-20xxxx, Title, Company