**3GPP TSG RAN WG2#110-e R2-200xxxx**

**Online meeting, 1st - 12th June, 2020**

**Title:** Draft LS on MDT and SON decisions related to RAN3 LSs

**Response to:** R3-202818, R3-202868, R3-202869

**Release:** Rel-16

**Work Item:** NR\_SON\_MDT-Core

**Source:** RAN2

**To:** RAN3

**Cc:** SA5

**Contact Person:**

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1. **Overall Description:**

RAN2 has discussed the contents of the following LSs from RAN3 and would like to inform RAN3 about the respective agreements.

1. Related to R3-202818

In [1], RAN3 asked RAN2 for capturing several fields in the NR RLF report and LTE RLF report. RAN2 would like to inform RAN3 that all the requested fields by RAN3 was agreed to be added. Below is the RAN2 agreements:

1. Add the possibility to include EUTRA CGI as the previousPCellID in NR RLF report
2. Add the possibility to include EUTRA CGI as the failedPCellID in NR RLF report.
3. Include reconnectedCellID in NR RLF report and add the possibility to include EUTRA CGI or NR CGI and the associated TAC as part of the reconnectedCellID.
4. Include timeUntilReconnection in NR RLF report which signifies the time interval between HOF/RLF and successful RRC re-connection.
5. Change the field description of failedPCell-EUTRA to indicate that this field is used to encode the PCell in which RLF is detected or the source PCell of the failed handover.
6. Add the possibility to include NR CGI as the previousPCellID in LTE RLF report.
7. Add the possibility to include NR CGI as the failedPCellID in LTE RLF report.
8. Add the possibility to include EUTRA CGI (reconnectedEUTRA-CellId) or NR CGI (reconnectedNR-CellId) and the associated TAC of the cell in which the UE successfully performs reconnection after declaring RLF or HOF.
9. Include timeUntilReconnection in LTE RLF report which signifies the time interval between HOF/RLF and successful RRC re-connection.
10. Related to R3-202868

In [2], RAN3 asked RAN2 regarding the possibility of propagating the immediate MDT configuration over Xn in intra-system inter-RAT handover. RAN2 discussed this topic and came to the following conclusion.

Inform RAN3 that ”The propagation of signaling based immediate MDT configuration for the case of Xn inter-RAT intra-system handover can be supported.” has no impact on RAN2 stage3 specs and SA5 should be consulted.

1. Related to R3-202869

In [3], RAN3 asked RAN2 if the RAN2 agreement (‘*management* *based MDT should not overwrite signalling based MDT*’) is applicable to all scenarios and not only to EN-DC. RAN2 discussed this topic and the following agreement was made.

1 The management-based MDT configuration should not overwrite signaling based MDT configuration in all the single connection scenarios and EN-DC scenario. UE based solution is not supported in R16.

## 2. Actions:

**To RAN3:**

**ACTION:** RAN2 respectfully asks RAN3 to take the above RAN2 agreements into account in their work.

**3. References**

1. R3-202818, LS on information needed for MRO in UE RLF Report.
2. R3-202868, Propagation of immediate MDT configuration in case of Xn inter-RAT HO.
3. R3-202869, LS on Logged MDT Status.

**4. Date of Next TSG-RAN3 Meetings:**

TSG-RAN3 Meeting #111bis-e 17th - 28th August 2020 Online meeting