**3GPP TSG RAN Plenary Meeting #88e RP-20xxxx**

**29th of June - 03rd of July, 2020**

**Agenda item: 9.10.14**

**Source: CMCC (Moderator)**

**Title:**  **Email discussion on Rel-17 SON/MDT**

**Document for: Discussion**

# Introduction

This document is a summary of the following email discussion,

*Goal: Finalize scope of the Rel17 SON/MDT item, provide WID sheet for approval accordingly.*

*Input contributions covered: 823, 1222*

*Moderator: Hu Nan (CMCC)*

Based on RP-201222 (revision of RP-200768), RP-200823 and the reasons described in the flagged emails, the moderator would like to collect views on the proposed new objectives or refinements against the latest approved WID.

**Deadline**: 11:59h UTC 30th June

**Note**: if an objective does not receive any comments till the deadline, this objective is assumed agreeable to include in the WID.

# Discussion

**Objective**: RACH optimisation enhancement (Rel-16 leftovers)

**Description:** PRACH conflict detection in CU-DU split case, X2AP signalling of PRACH configurations of neighbour cells and some other detailed parameters are agreed to postpone to Rel-17

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| Companies | support to include it into objectives （yes/no） | Reason |
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**Objective**: MDT enhancement (Rel-16 leftovers)

**Description:** There are probably some enhancements on the MDT configuration over NG and Xn interface that are not finalized in Rel-16, e.g., beam related configuration, propagating Management Based MDT PLMN List always to the target NG-RAN during Xn handovers which is pending on SA3.

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| Companies | support to include it into objectives （yes/no） | Reason |
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**Objective**: Load balancing enhancement (Rel-16 leftovers)

**Description:** including per-slicing load reporting, reporting of TNL load for fronthaul vs. backhaul, etc

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| Companies | support to include it into objectives （yes/no） | Reason |
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**Objective (not flagged, companies seem fine with it)**: MRO for SN change failure (Rel-16 leftovers)

**Description:** MRO for SN change failure is agreed to postpone to Rel-17

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| Companies | support to include it into objectives （yes/no） | Reason |
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**Objective (not flagged, companies seem fine with it)**: Inter-system load balancing

**Description:**Load balancing features for intra-system have been specified in Rel-16. Operators have strong requirements to support inter-system (4G and 5G) load balancing in Rel-17.

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| Companies | support to include it into objectives （yes/no） | Reason |
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**Objective**: NR-U enhancement

**Description:**It is mentioned in RP-200823 that SON/MDT may also apply to NR-U with some enhancements, e.g., MLB to take into account resource conditions in NR-U cells, to provide measurements and reports, e.g. RLF/RA reports, that help the management and configuration of NR-U, MRO enhanced to consider failure cases pertinent to NR-U

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| Companies | support to include it into objectives （yes/no） | Reason |
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**Objective**: NPN and IDC

**Description:**It is mentioned in the flagged email MDT coexistence with NPN and IDC need to be considered

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| Companies | support to include it into objectives （yes/no） | Reason |
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**WID refinement**: Successful HO report in SON and/or MDT part?

**Description:**It is mentioned in the flagged email that successful HO report is a SON feature and has been included in the SON part.

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| Companies | Views | Reason |
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**Other proposals:**

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| Companies | Proposals |
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# Conclusions