

Source: NTT DOCOMO, INC.

Agenda item: 8A.2.10

Document for : Discussion

**RP-232080**

# **Views on rel-19 SON/MDT**

**NTT DOCOMO, INC.**

## ■ Background (Justification)

- SON/MDT is an important technology for operators to efficiently optimize network operation and reduce operation cost.
- SON for NR was first introduced in rel-16 and further enhanced in rel-17 and 18.
- Some important features (e.g. RAN slicing, NTN, IAB, LTM) which were introduced in rel-16, 17, 18 should be taken into account for further rel-19 SON/MDT study.

## ■ Rel-19 SON/MDT objectives

- SON for RAN slicing
  - » It is preferable for operator to know slice coverage hole (i.e. area where slice requested by UE is not supported)
  - » Introduce slice group info in SON framework (e.g. ANR reporting, RLF report)
- SON for NTN
  - » Introduce NTN specific CHO failure info in RLF report and successful handover report
  - » Introduce NTN specific RACH failure info in RA report
- SON for (mobile) IAB
  - » Introduce (mobile) IAB migration failure info in RLF report
- SON for LTM
  - » Introduce LTM specific failure information in RLF report

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