3GPP TSG-RAN WG2 Meeting #109 electronic R2-2001994

**Home, 24 Feb – 6 Mar 2020**

Agenda Item:

Source: Session chair (CMCC)

Title: SON/MDT agreements from email discussions

Document for: Agreement

This document is used to capture the agreeable proposals from the following email dicussion:

* [AT109e][805][SON/MDT]L2 open issues (CMCC)

 Intended outcome: email discussion report in R2-2001993

 Deadline: CET 23:00, 2020/02/28

* [AT109e][804][SON/MDT]SON open issues (Ericsson)

 Intended outcome: email discussion report in R2-2001992

 Deadline: CET 23:00, 2020/02/28

* [AT 109e][803][MDT]MDT open issues (Huawei)

 Intended outcome: email discussion report in R2-2001991

 Deadline: CET 23:00, 2020/02/28

As per the above email discussions, the following proposals are proposed to be agreed:

MDT:

Proposal 1: The maximum number of cellIndentity to be configured as part of AreaConfigForNeighbour is 32.

Proposal 2: Include ‘infinity’,’640ms’ and ‘320ms’ as options for loggingInterval value range.

Proposal 3: ul-DelayRatioConfig and ul-DelayValueConfig are configured per CG, i.e.,

 - to configure at most one measurement identity per CG using a reporting configuration with the ul-DelayRatioConfig;

 - to configure at most one measurement identity per CG using a reporting configuration with the ul-DelayValueConfig;

Proposal 4: For logged MDT, UE does not log the SSB index of the neighbour cells.

Proposal 5: The actual process of logging within the UE, takes place in RRC IDLE state could continue in RRC INACTIVE state.

Proposal 6: For RLF Report, add the TrackingAreaCode IE into CGI info for the failed cell and source cell.

Proposal 7: It is proposed RAN2 to send a LS to RAN3, SA5, and SA2. The LS includes RAN2-109-e agreements and the targeted WGs can finalize their work.

SON:

Proposal 9: The UE shall reset the entire RA Report when the UE performs a successful random access procedure to a cell belonging to a new PLMN which is not part of the current RPLMN list.

Proposal 10: (Cat-A) RAN2 confirms the inclusion of the following frequency location related information of the RA resources used by the UE in the RAReport:

a. absoluteFrequencyPointA (e.g., in FrequencyInfoUL)

b. locationAndBandwidth (e.g., in UL BWP)

c. subcarrierSpacing (e.g., in UL BWP)

L2:

Proposal 11: Number of active UE is measured per DRB per cell by network.

Proposal 12: Capture a clarification in 38.314 that all the per DRB per cell measurements and per DRB per UE measurements can be aggregated into per QoS level per cell by network implementation.

Proposal 13: ‘*drbid’* is used in the equation for each per DRB per UE measurement in 38.314, e.g. for average D1 delay: $M\left(T,drbid\right)=\left⌊\frac{\sum\_{∀i}^{}tDeliv\left(i, drbid\right)-tArrival\left(i, drbid\right)}{I\left(T\right)}\right⌋$

Proposal 14: The equation for mean number of active UE is $M(T,drbid,p)=\frac{\left⌊\frac{\sum\_{∀i}^{}N(i,drbid)}{I(T,p)}\*10\right⌋}{10}$, FFS the definition for *drbid* in the description table of mean number of active UE.

Proposal 15: Capture in TS 38.314 that the counting unit for PRB usage measurement is 1 Resource Block x 1 symbol. (1 Resource Block = 12 sub-carrier)

Proposal 16: For the CA duplication bearer, the UE and gNB measure the UL/DL delay assuming the packets of multi-paths are different.