3GPP TSG RAN WG2 Meeting #123bis R2-230xxxx

Xiamen, China, 9th– 13th October, 2023

Agenda Item: 7.21

Source: China Telecom

Title: [Post123][CE\_enh] Remaining Open Issues (China Telecom)

Document for: Information

# Introduction

This document aims at summarizing open issues that need to be addressed for Coverage enhancements Work Item in RAN2.

# Discussion

**RRC open issues**

o   Stage-2 level open issues

  Open issue 1: MSG1 based SI request with MSG1 reqetition for NUL/SUL,RedCap and Positioning

       *Companies are* *recommended to contribute to this open issue* ***in the ongoing email discussion [802]***

  Open issue 2: The combination of CHO and Msg1 repetition

       *Companies are* *recommended to contribute to this open issue* ***in the ongoing email discussion [802] , and company tdoc is expected if it is hard to conclude in email discussion.***

  Open issue 3: Separate UE capability for CBRA and CFRA with MSG1 repetition

       *Companies are* *recommended to contribute to this open issue* ***in the ongoing email discussion [802]***

o   Stage-3 level open issues

  Open issue 4: MSG1-based SI request configuration

       *Companies are* *recommended to contribute to this open issue* ***in the ongoing email discussion [802]***

  Open issue 5: Separate preambles configurations for different MSG1 repetition number

       *Companies are* *recommended to contribute to this open issue* ***in the ongoing email discussion [802] , and company tdoc is expected if it is hard to conclude in email discussion.***

  Open issue 6: Common/separate RRC parameter for different repetition number (e.g Group B, rsrp-ThresholdSSB etc)

      *Companies are* *recommended to contribute to this open issue* ***in the ongoing email discussion [802] , and company tdoc is expected if it is hard to conclude in email discussion.***

**MAC open issues**

o   Stage-2 level open issues

  Open issue 7: RACH configuration framework

       *Companies are* *recommended to contribute to this open issue* ***in the ongoing email discussion [801]***

  Open issue 8: Remaining issues on fallback from lower number to higher number

      *Companies are* *recommended to contribute to this open issue* ***in the ongoing email discussion [801] , and company tdoc is expected if it is hard to conclude in email discussion.***

  Open issue 9: Potential RAN2 impact of power headroom information for assumed PUSCH (related to RAN1 LS)

      *Companies are* *recommended to contribute to this open issue* ***via a company tdoc***

o   Stage-3 level open issues

  Open issue 10: RACH partition selection

       *Companies are* *recommended to contribute to this open issue* ***in the ongoing email discussion [801]***

  Open issue 11: Fallback from CFRA with repetition to CBRA with repetition

       *Companies are* *recommended to contribute to this open issue* ***in the ongoing email discussion [801] , and company tdoc is expected if it is hard to conclude in email discussion.***

  Open issue 12: How to support CE-only BWP and potential MAC spec impact

       *Companies are* *recommended to contribute to this open issue* ***in the ongoing email discussion [801] , and company tdoc is expected if it is hard to conclude in email discussion.***

# Conclusions

This open issue list is just for information.