**3GPP TSG-RAN WG3 #129 R3-25xxxx**

**Bengaluru, India, 25th - 29th Aug, 2025**

**Agenda Item: 17**

**Source: Ericsson (Moderator)**

**Title: Summary of offline discussions: Rel-19 Network Energy Saving**

**Document for: Discussion and Approval**

# Introduction

**Blaaa**

# For Online discussion

2.1 Objective 1: Support on-demand SSB Scell

2.2 Objective 2: Support on-demand SIB1 for UEs

2.3 Objective 3: Common signal/channel transmissions pending to progress in other WGs

# Discussion on Support on-demand SIB1 for UEs

Based on the input documents, the following are mentioned by the companies:

Part 1:

* Update procedures/messages names?
  + use OD-SIB1, use UL WUS
  + Update the IE names
* Add NES Cell ID in class 2 Xn message, is the NE Cell ID mandatory? Should the Cell A ID included, as Mandatory/optional?
* Update the “UL UWS Configuration”, procedure supports it or explicit indication? both over Xn and F1?
* Add Transaction ID to Xn requests?

Part 2:

* Include multiple OD-SIB1 configurations in a REQUEST message (and partial success in RESPONSE message)?
* NES gNB-CU sends a list of the SSBs status to NES gNB-DU over F1?
* Cell A to NES Cell a list of status update?
* Exchange OD-SIB1 provision capabilities?

Stage 2 CRs:

TS 38.300:

TS 39.420:

TS 38.401, a quick go through? (QC: R3-255255, Ericsson: R3-255580)

3.1 Related to the class 1 message (From NES Cell <-> Cell A), XnAP

Naming issue:

* Procedure name, message name, IE name

Request message:

* What?

Response message

* What?

3.2 Related to the provision, F1AP

NES Cell gNB-CU <-> gNB-DU

* What?

Cell A gNB-CU <-> gNB-DU

* What?

3.3 Discussion on class 2 message (sending from Cell A -> NES Cell), XnAP

Naming issue:

* Procedure name, message name, IE name

Message:

* What?

3.4 Related to the status, F1AP

NES Cell gNB-CU <-> gNB-DU

* What?

# 4 Discussion on Support on-demand SSB Scell

Based on the input documents, the following are mentioned by the companies:

* Does gNB-DU need information from gNB-CU the control/assistance information on performing OD-SSB operation mode?
* Reuse Rel-18 Cells Allowed … List IE or a new List?
* Over Xn, exchange OD-SSB state and OD-SSB request needed?
* Other F1 impacts?
  + The DU should inform the CU when the OD-SSB is being broadcast?
  + A new servingCellMO IE for OD-SSB should be introduced to the SCell To Be Setup List IE?
  + DU should inform the CU when the OD-SSB “state” for SCell activation and cell measurement?
  + CU may request DU to send OD-SSB to obtain L3 measurements?

# 5 Discussion on Support Common signal/channel transmissions

Based on the input documents, the following are mentioned by the companies:

* Introduction of a new per-cell PEI adaptation indication
* For PRACH adaptation: impact on Rel-19 additional PRACH resources on the legacy RACH optimization feature
* For paging adaptation: the DU decides “paging energy saving mode” and informs the CU? gNB-DU informs the gNB-CU about not be transmitted Paging message over the air due to shortage of paging resources?

# 6 Moderator Summary

# 7 Annex

# 8 Reference