3GPP TSG-RAN WG3 Meeting #125bis R3-245737

**Hefei, China, 14th – 18th October, 2024**

**Agenda Item: 17**

**Source: Ericsson (Moderator)**

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

**Document for: Discussion and Approval**

# Introduction

**The CB is related to AI 17.3.**

**CB: # R19ES**

**- Discuss the open issues above**

(moderator - E///)

Summary of offline disc [R3-245737](file:///C%3A%5C3GPP%5CRAN3%5C2024%5CRAN3%23125bis%5CWork%20On%20Site%5CInbox%5CR3-245737.zip)

# For the Chairman’s Notes

**It is proposed to capture the following RAN3 agreements in the chairman’s notes.**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**For “Support on-demand SIB1 for UEs”, RAN3 has agreed that:**

**TBD:**

* *BLABLA*

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* The End \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

# 3 Discussion

**The UL WUS configuration will be transferred over Xn via a new class1 defined procedure.**

**Introduce the start/stop mechanism from NES cell to Cell A for UL WUS configuration broadcast. Further check on first activation of UL WUS configuration broadcast in Cell A.**

Let us assume call the new procedure “UL WUS Configuration Provision”, there is a request from NES Cell to Cell A and there is a response from Cell A to NES Cell.

A few options are collected in below:

**Option 1: After the UL WUS Configuration Provision request and Response (confirm), NES Cell gNB can go to OD-SIB Mode. Cell A broadcast UL WUS via SIB.**

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**Option 2: After the UL WUS Configuration Provision request and Response (confirm), Cell A broadcast UL WUS via SIB. NES cell goes to OD-SIB Mode upon reception of “UL config provided” message from Cell A.**

The reason is, it may take up to 41 seconds to broadcast UL WUS, NES cell can stay as legacy until it knows that Cell A has broadcast it’s UL WUS.

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**Option 3: After the UL WUS Configuration Provision request and Response (confirm), Nothing is changed.**

**The second message is sent from NES Cell gNB to Cell A gNB to indicate it is time to broadcast UL WUS. And NES cell goes to OD-SIB Mode.**

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Q1: Which is your view of how UL WUS configuration works according to the above Options?

Q2: For the new UL WUS Configuration provision procedure, should we produce XnAP Text Proposal at this meeting?

Q3: Should we produce F1AP Text Proposal at this meeting?

# 4 References

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| --- | --- | --- |
| [R3-245498](file:///D%3A%5C%E4%BC%9A%E8%AE%AE%E7%A1%AC%E7%9B%98%5CTSGR3_125-bis%5CDocs%5CR3-245498.zip) | Xn impact of On-demand SIB1 for UEs in idle/inactive mode (Ericsson) | other |
| [R3-245517](file:///D%3A%5C%E4%BC%9A%E8%AE%AE%E7%A1%AC%E7%9B%98%5CTSGR3_125-bis%5CDocs%5CR3-245517.zip) | F1 impact of On-demand SIB1 for UEs in idle/inactive mode (Ericsson) | discussion |
| [R3-245107](file:///D%3A%5C%E4%BC%9A%E8%AE%AE%E7%A1%AC%E7%9B%98%5CTSGR3_125-bis%5CDocs%5CR3-245107.zip) | Support On-Demand SIB1 for UEs (CMCC) | discussion |
| [R3-245120](file:///D%3A%5C%E4%BC%9A%E8%AE%AE%E7%A1%AC%E7%9B%98%5CTSGR3_125-bis%5CDocs%5CR3-245120.zip) | Discussion on on-demand SIB1 in low-carbon green network (Samsung) | discussion |
| [R3-245219](file:///D%3A%5C%E4%BC%9A%E8%AE%AE%E7%A1%AC%E7%9B%98%5CTSGR3_125-bis%5CDocs%5CR3-245219.zip) | (TP for TS 38.473) Discussion on on-demand SIB1 for UEs in idle or inactive mode (Huawei) | other |
| [R3-245249](file:///D%3A%5C%E4%BC%9A%E8%AE%AE%E7%A1%AC%E7%9B%98%5CTSGR3_125-bis%5CDocs%5CR3-245249.zip) | Aspects of on-demand SIB1 for NES enhancements (Qualcomm Inc.) | discussion |
| [R3-245257](file:///D%3A%5C%E4%BC%9A%E8%AE%AE%E7%A1%AC%E7%9B%98%5CTSGR3_125-bis%5CDocs%5CR3-245257.zip) | On support on-demand SIB1 for idle UE (CATT) | discussion |
| [R3-245300](file:///D%3A%5C%E4%BC%9A%E8%AE%AE%E7%A1%AC%E7%9B%98%5CTSGR3_125-bis%5CDocs%5CR3-245300.zip) | Support on-demand SIB1 (NEC) | discussion |
| [R3-245456](file:///D%3A%5C%E4%BC%9A%E8%AE%AE%E7%A1%AC%E7%9B%98%5CTSGR3_125-bis%5CDocs%5CR3-245456.zip) | Discussion on On-demand SIB1 for Idle/Inactive UE (Lenovo) | discussion |
| [R3-245561](file:///D%3A%5C%E4%BC%9A%E8%AE%AE%E7%A1%AC%E7%9B%98%5CTSGR3_125-bis%5CDocs%5CR3-245561.zip) | Further thoughts on open Issues in support of On-Demand SIB1 (Nokia) | discussion |
| [R3-245647](file:///D%3A%5C%E4%BC%9A%E8%AE%AE%E7%A1%AC%E7%9B%98%5CTSGR3_125-bis%5CDocs%5CR3-245647.zip) | Discussion on OD-SIB1 (Rakuten Mobile, Inc) | discussion |
| [R3-245668](file:///D%3A%5C%E4%BC%9A%E8%AE%AE%E7%A1%AC%E7%9B%98%5CTSGR3_125-bis%5CDocs%5CR3-245668.zip) | Further discussion on on-demand SIB1 (ZTE Corporation) | discussion |