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

**Prague, Czech Republic, 13 – 17 October 2025**

**Agenda item: 9.2.5**

**Source: Moderator (Ericsson)**

**Title: Summary of offline discussion on CSI-RS Resource Configuration Release**

**Document for: Discussion and Decision**

# 0 Introduction

This contribution aims to discuss about the handling of CSI-RS resource configuration release in CB#12.

**CB: # 12\_R19Mob\_CSI-RSRscConfigRelease**

**- Discuss whether LTM modification is supported for inter-CU LTM in Rel-19?**

**- No new procedure**

(Ericsson - moderator)

# 1 For the Chair’s Notes

This section to be updated later [TBD]

# 2 Discussion

## 2.1 Modification of LTM configurations

From Rel-18, RAN3 has agreed that the LTM configurations to be configured for the UE can be added, modified, and released, before cell switch. However, R3-257127 mentioned that,

*LTM modification (neither source gNB initiated, nor candidate gNB initiated) was never discussed for inter-CU LTM without SCG case in the WI phase.*

It is unclear what “LTM modification” is referring to. Is it only for CSI-RS resource configuration or any other LTM related configurations. In principle, UE can be reconfigured with the add/mod and release list, thus we need to discuss whether network design is able to support such.

In current TS 38.300, it says that the LTM Configuration Update message can be used to update the LTM configurations of candidate cells.

6. The source gNB sends an LTM CONFIGURATION UPDATE message to the candidate gNB(s) to update the LTM configurations of candidate cell(s). The source gNB may include the common CSI resource configuration, the LTM configuration ID mapping list and the LTM security information.

7. The candidate gNB(s) sends the LTM CONFIGURATION UPDATE ACKNOWLEDGE message to the source gNB. The candidate gNB(s) may also provide the CSI report configuration. The candidate gNB may include the CSI report configuration for CSI acquisition of the candidate cell(s).

**Q1: Companies are invited to share their opinions on whether the LTM configurations for the UE can be modified or released during preparation phase:**

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| --- | --- |
| **Company name** | **Comment** |
| Ericsson | Yes, this is the same as Rel-18. It should allow flexibility to modify or release the configurations and apply for the UE. A simple note can be added to stage-2, by saying LTM Configuration Update procedure can be triggered multiple times before cell switch. |
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## 2.2 Specs impacts

If it is concluded that no modification to the LTM configurations will be supported, the UE will be unable to release the CSI-RS resource configuration. Then the stage-3 CRs and an LS to RAN2 will be required.

In case RAN3 agrees to align with the Rel-18 principle and the RAN2 design, a stage-2 CR should be prepared. Please find the drafts in the folder.

**Q2: Whether LS reply is needed to RAN2:**

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| --- | --- |
| **Company name** | **Comment** |
| Ericsson | No need if RAN3 agrees to support modification of LTM configurations. Otherwise we need to check with RAN2 about the inconsistency between network signaling and UE reconfigurations. |
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Two sets of CRs and LS are provided in the drafts folder.

* Set 1: an LS to RAN2, with endorsed stage-3 CRs to remove the release lists for CSI-RS resource configuration
* Set 2: stage-2 CR to add a note

**Q3: Which set of CRs can be agreed:**

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| --- | --- |
| **Company name** | **Preference** |
| Ericsson | Set 2 is preferred.  |
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# 3 Conclusion