**3GPP TSG-RAN Meeting #89-e RP-20XXXX**

**Electronic, Sept 14-18, 2020**

**Agenda item:** x.x

**Source:** Moderator (R2 Chairman)

**Title:** Email discussion [89E][06][SIB24]

**Document for:** Information

# Introduction

An introduction can be found in RP-201966.

The following aspects of the R2 endorsed CR were discussed on-line. We attempt to make some clarity in this email discussion, before Wednesday Come-back.

- Intention of CR: Which UEs need to be upgraded, which networks need to be upgraded.

- Risks of CR: What can reasonably go wrong, what need to be further verified?

- Urgency of CR: To what extent do the CR need to be approved at current RP vs postpone one quarter?

In addition, the following aspect is discussed:

- Proposal to capture the limitation in the TS, that SIB19+ SIBs cannot be multiplexed in a SI message with SIB18- SIBs (by Samsung). Moderator: There seems to be consensus that this can be done also without Standards impact, so the urgency seems less than the previous topics. Can discuss what would be the reasons to capture such limitation.

# Discussion

## Intention of CR: Which UEs need to be upgraded

MODERATOR UNDERSTANDING:

- In principle, all UEs that need SIB19+ will need to be upgraded, No exceptions, as UEs may roam.

- All Rel-15 UEs that need SIB 24+ will need to be upgraded.

- As this problem hasn’t surfaced until introducing Rel-15, it is assumed that SIB19, 20, 21 features of Rel-12 - Rel-14 hasn’t been deployed yet, so it is assumed that in practice no legacy UEs Rel-12 - Rel-14 need to be upgraded.

*In case companies has opinions, please provide below:*

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| **Company** | **Comments** |
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## Intention of CR: Which Networks etc need to be upgraded

MODERATOR UNDERSTANDING:

- In principle: Networks that need to support SIB19+ and that has legacy problematic UEs need to be upgraded.

- The CR support two methods of provisioning of scheduling info for SIB19+, the legacy extension (that causes problems to legacy problematic UEs), and a new extension (with which legacy problematic UEs can co-exist). The intention is that a cell uses one of these options, not both. By supporting both, operators can choose when/how to deploy this, potentially temporarily in conjunctions with one of the identified work-arounds.

*In case companies has opinions, please provide below:*

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## Risks of CR: What can reasonably go wrong, what need to be further verified

MODERATOR UNDERSTANDING:

- In principle: The CR is correct and should not cause problems to correctly implemented UEs.

- However, as the legacy problematic UEs had issues with one extension in SIB, maybe it is reasonable to check whether they can actually tolerate the new extension that is implemented in the CR (maybe some operator can confirm).

*In case companies has opinions, please provide below (Moderator: please explain in detail not just a vague opinion that everything must be verified for every kind of UE)*

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## Urgency of CR: To what extent do the CR need to be approved at current RP vs postpone one quarter

MODERATOR UNDERSTANDING:

- In principle: Proponents are explaining that R15 UEs that need SIB24+ are being deployed now, and every delay makes upgrades more cumbersome.

*In case companies has opinions, please provide below*

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## Other Comments on CR

*Other Comments on the R2 endorsed CR, please provide below*

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## SI message multiplexing restriction

MODERATOR UNDERSTANDING: this seems somewhat less urgent, but it would be good to get a common view.

On the Proposal to capture in the TS the limitation that SIB19+ SIBs cannot be multiplexed in a SI message with SIB18- SIBs (by Samsung).

*Comments below:*

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| **Company** | **Comments** |
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# Summary

# References