**3GPP TSG-RAN WG2 Meeting #117 R2-220xxxx**

**Online, 21st February – 3rd March 2022**

**Agenda item:** 8.11.2.1

**Source:** Apple (moderator)

**Title:** [AT117-e][628][POS] Remaining proposals from latency reduction summary (Apple)

**Document for:**  Discussion

# 1. Introduction

This document summarizes the following email discussion:

* [AT117-e][628][POS] Remaining proposals from latency reduction summary (Apple)

Scope: Filter remaining proposals from R2-2203596 to determine which issues are critical to resolve, and progress towards consensus on critical issues.

Intended outcome: Report to Monday CB session

Deadline: Friday 2022-02-25 1200 UTC

Please provide the contact information in the following Table:

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| **Company** | **Point of contact** | **Email address** |
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# 2. Discussion

The scope of the present email discussion is to address the remaining proposals from R2-2203596 which have not been resolved online.

Since the guidance from the chair is to focus on essential issues only, will be two additional options for answer (added where appropriate):

* Not essential to complete the WI
* Can be addressed in the CR discussion

Moderator’s note: proposals for liaisons to RAN1 and RAN3 received no support in the online discussion and therefore are not included; if the proponents feel strongly about discussing them, please indicate so to the moderator and those will be added.

## 2.1 Area ID

According to the meeting minutes, the following two options are on the table

Agreements:

An area ID corresponds to a set of cells on which the UE may use the associated AD. Downselect from the following options:

1. Explicitly list the involved cell IDs in LPP along with the assistance data
2. Broadcast in each cell one or more area IDs that are then referred to in LPP.

Resolve this signalling question in the LPP running CR (coordinating with RRC if necessary).

Moderator’s note: one of the companies indicated offline that their proposal is actually to add a new area ID to AD, without broadcasting it, stating that they would very much like to add it to the discussion.

**Question 1: Which of the following option(s) for area ID definition you prefer?**

1. **Explicitly list the involved cell IDs in LPP along with the assistance data**
2. **Broadcast in each cell one or more area IDs that are then referred to in LPP**
3. **New Area ID IE (INTEGER) is added to AD (without broadcasting it in SI)**
4. **Can be addressed in the CR discussion**

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| **Company** | **Preferred Option** | **Comments** |
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## 2.2 Validity Time

**Question 2: Do you support introduction of validity time for AD?**

1. **Yes**
2. **Not essential to complete the WI**
3. **Can be addressed in the CR discussion**

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## 2.3 Modification/release of AD

**Question 3: Which option(s) for modification/release of pre-configured AD you prefer?**

1. **Explicit modification/release of pre-configured assistance data**
2. **When a new AD is provided to the UE for a given area ID, the UE shall discard the old AD and use the newly received AD**
3. **Can be addressed in the CR discussion**
4. **Other (please clarify)**

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## 2.4 UL MAC CE for MF activation and deactivation

**Question 4.1: Do you agree that UL MAC CE for MG activation and deactivation is triggered by upper layers?**

1. **Yes**
2. **No**
3. **Can be addressed in the CR discussion**

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**Question 4.2: Do you agree to specify conditions for triggering UL MAC CE for MG activation and deactivation?**

1. **Yes**
2. **No (leave it for UE implementation)**
3. **Can be addressed in the CR discussion**

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**Question 4.3: Do you agree to define LPP signaling for LMF to indicate to UE whether to send/not send the UL MAC CE for positioning MG activation request?**

1. **Yes**
2. **No**
3. **Can be addressed in the CR discussion**

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**Question 4.4: Do you agree to define the priority for the MAC CE below the MAC CE for BSR (with exception of BSR included for padding) and above the PHR MAC CE?**

1. **Yes**
2. **No**
3. **Can be addressed in the CR discussion**
4. **Other (please clarify)**

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**Question 4.5: Which of the following options to cancel a triggered UL MAC CE for MG activation and deactivation should be captured in the spec?**

1. **When the MAC CE is transmitted**
2. **When a downlink command from gNB to activate or deactivate the gaps is received**
3. **When a new measurement gap configuration from the network is received**
4. **When a request from upper layers to transmit a new request to gNB for a new/modified gap configuration is received**
5. **When an indication from upper layers that the gaps are not needed any more or a gap with a new id needs to be activated is received**
6. **On MAC reset**
7. **Can be addressed in the CR discussion**
8. **Other (please clarify)**
9. **Not essential to complete the WI**

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**Question 4.6: Do you agree to adopt a common MAC CE design for PPW and Measurement gap?**

1. **Yes**
2. **No**
3. **Can be addressed in the CR discussion**
4. **Other (please clarify)**

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**Question 4.7: Do you agree that the gNB should provide Measurement Gap config ID to be activated as part of pre-configuration or any RRC Reconfiguration?**

1. **Yes**
2. **No**
3. **Can be addressed in the CR discussion**
4. **Other (please clarify)**

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# 3. Summary of Proposals for Discussion