**3GPP TSG RAN WG1 Meeting #106-e R1-21xxxxx**

**E-Meeting, August 16th – August 27th, 2021**

**Agenda Item: 6**

**Source: Moderator (Huawei)**

**Title: Feature lead summary on 106-e-LTE-6CRs-02**

**Document for: Discussion and Decision**

# Introduction

This documents provides the summary of discussions on the corresponding email discussion, regarding the proposed CR in [1].

[106-e-LTE-6CRs-02] Email discussion/approval on Correction on cyclic shift for eMTC PUR ([R1-2107688](../../Docs/R1-2107688.zip)) – Yubo (Huawei)

* Issue 3: Correction on cyclic shift for eMTC PUR
* Discussion and decision by August 18, CR by August 20, final check by August 24

# Discussion

In [1], a correction on cyclic shift for eMTC PUR is proposed due to the following reason:

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| --- | --- |
| ***Reason for change:*** | The parameter *pusch-CyclicShift* in higher layer parameter *PUR-PUSCH-Config* is intended to be used in PUSCH corresponding to preconfigured uplink resource. However, in the current spec, it is not limited to PUR PUSCH. |
|  |  |
| ***Summary of change:*** | It is clarified that the parameter *pusch-CyclicShift* in higher layer parameter *PUR-PUSCH-Config* is for PUSCH corresponding to preconfigured uplink resource. |
|  |  |
| ***Consequences if not approved:*** | The parameter *pusch-CyclicShift* in higher layer parameter *PUR-PUSCH-Config* will also be used in non-PUR PUSCH mistakenly, such as msg3 etc. |

The proposed change is as following:

=======================Change to TS 36.211=====================================

**<Unchanged parts are omitted>**

5.5.2.1.1 Reference signal sequence

**<Unchanged parts are omitted>**

The cyclic shift  in a slot  is given as if the ul-V-SPS-RNTI-r14 was used to transmit the most recent uplink-related DCI for the transport block associated with the corresponding PUSCH transmission. For PUSCH transmissions not using sub-PRB allocations, if *pusch-CyclicShift* in higher layer parameter *PUR-PUSCH-Config* is configured it provides the value of $n\_{cs,λ}$ and the cyclic shift  in a slot  is given as for PUSCH (re)transmission corresponding to preconfigured uplink resource.

**<Unchanged parts are omitted>**

======================End of change to TS 36.211=================================

Please input your comment on the motivation and CR above:

|  |  |
| --- | --- |
| Companies | Comments |
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|  |  |
|  |  |

# Summary

# References

1. R1-2107688 Correction on cyclic shift for eMTC PUR Huawei, HiSilicon