**3GPP TSG RAN WG1 Meeting #114 R1-23xxxxx**

**Toulouse, France, August 21st – August 25th, 2023**

**Source: Rapporteur (Intel Corporation)**

**Title: Discussion on list of higher layer parameters on Rel-18 WI on expanded and improved NR positioning**

**Agenda item: 9.5**

**Document for: Discussion**

# Introduction

This document is to collect views on the list of higher layer parameters for Rel-18 positioning [1].

*“Rapporteur to provide initial input on higher layer signalling under agenda item 9.5. For input on higher layer signalling from any other source, please include it as part of your tdoc to relevant sub-agenda items.”*

An initial list of higher layer parameters for this meeting is provided in [2] based on the decisions made until RAN1 #113 [3] and following the guidance in [4].

Please follow the naming convention in this example:

* *CommentsToHigherLayerParamsR18pos-v000.docx*
* *CommentsToHigherLayerParamsR18pos-v001-CompanyA.docx*
* *CommentsToHigherLayerParamsR18pos-v002-CompanyA-CompanyB.docx*
* *CommentsToHigherLayerParamsR18pos-v003-CompanyB-CompanyC.docx*

If needed, you may “lock” a spreadsheet file for 30 minutes by creating a checkout file, as in this example:

* Assume CompanyC wants to update *CommentsToHigherLayerParamsR18pos-v002-CompanyA-CompanyB.docx*.
* CompanyC uploads an empty file named *CommentsToHigherLayerParamsR18pos-v003-CompanyB-CompanyC.checkout*
* CompanyC checks that no one else has created a checkout file simultaneously, and if there is a collision, CompanyC tries to coordinate with the company who made the other checkout.
* CompanyC then has 30 minutes to upload *CommentsToHigherLayerParamsR18pos-v003-CompanyB-CompanyC.docx*
* If no update is uploaded in 30 minutes, other companies can ignore the checkout file.

Please note that there is NO need to send an info email to the reflector just to inform that you have uploaded a new version of this document. Companies are invited to enter the contact info in the table below.

# On list of higher layer parameters for SL Positioning

Please provide any feedback to the list of parameters for SL positioning below considering the version in [2].

|  |  |
| --- | --- |
| Company | Comments |
|  |  |
|  |  |
|  |  |
|  |  |

# On list of higher layer parameters for NR CPP

Please provide any feedback to the list of parameters for SL positioning below considering the version in [2].

|  |  |
| --- | --- |
| Company | Comments |
|  |  |
|  |  |
|  |  |
|  |  |

# On list of higher layer parameters for LPHAP

Please provide any feedback to the list of parameters for SL positioning below considering the version in [2].

|  |  |
| --- | --- |
| Company | Comments |
|  |  |
|  |  |
|  |  |
|  |  |

# On list of higher layer parameters for Bandwidth Aggregation

Please provide any feedback to the list of parameters for SL positioning below considering the version in [2].

|  |  |
| --- | --- |
| Company | Comments |
|  |  |
|  |  |
|  |  |
|  |  |

# On list of higher layer parameters for RedCap Positioning

Please provide any feedback to the list of parameters for SL positioning below considering the version in [2].

|  |  |
| --- | --- |
| Company | Comments |
|  |  |
|  |  |
|  |  |
|  |  |

# References

1. RP-230328, “Revised WID on Expanded and Improved NR Positioning”, Intel Corporation, March 2023.
2. R1-2306838, “Higher layer parameters for Rel-18 expanded and improved NR Positioning,” Rapporteur (Intel Corporation), RAN1 #114.
3. R1-2306238, “RAN1 agreements for Rel-18 WI on Expanded and Improved NR Positioning,” Rapporteur (Intel Corporation), RAN1 #113, May 2023.
4. R1-2305769, “Recommendations for RAN1 RRC Parameter Preparation,” Moderator (Ericsson), RAN1 #113 meeting.