3GPP TSG-RAN WG2 #119-e Tdoc R2-22xxxxx

Electronic meeting, 2022-08-17 - 2022-08-29

Agenda Item: 6.11.1

Source: Ericsson

Title: [Post119-e][412][POS] Positioning 38.331 CR (Ericsson)

Document for: Discussion, Decision

# 1 Introduction

# 1 Introduction

This document is to collect comments for the CR:

* [Post119-e][412][POS] Positioning 38.331 CR (Ericsson)

Scope: Check and finalise the CR in R2-2208825.

Intended outcome: Agreed CR

Deadline: Short (for RP)

# 2 Contact Information

|  |  |
| --- | --- |
| Company | Contact: Name (E-mail) |
| Huawei, HiSilicon | Yinghao Guo yinghaoguo@huawei.com |
| CATT | Jianxiang Li (lijianxiang@catt.cn) |
| ZTE | Yu Pan(pan.yu24@zte.com.cn) |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

# 3 Comments

**Please provide your review comments here**

|  |  |
| --- | --- |
| Company | Comments |
| Huawei, HiSilicon | We found that the proposal1 has not been implemented in the CR, while the other proposals have been implemented.  [Proposal 1 CR in R2-2207881 to instruct to MAC layer to stop *inactivePosSRS-TimeAlignmentTimer* upon receiving RRC Setup/Resume is agreed to be merged into the rapporteur CR](#_Toc111464421)  [Proposal 2 CR in R2-2208076 to add TS 38.305 reference and to consolidate the clause in section 5.7.17 is agreed to be merged into the rapporteur CR](#_Toc111464422)  [Proposal 3 CR in R2-2207411 to correct definition of maxNrofPPW-Config-r17 as Maximum number of Preconfigured PRS processing windows per BWP is agreed to be merged into the rapporteur CR.](#_Toc111464423) |
| Rapporteur | Right, this was missed. It has been included now |
|  | On the ue-TxTEG-TImingErrorMarginValue, is there an agreement that the margin applies for all the TEG reporting instances? |
| Rapporteur\_ | The below has been added:  2> include one *ue-TxTEG-TimingErrorMarginValue* for each *UEPositioningAssistanceInfo* message; |
|  | Need to indicate in the field description of ***schedulingRequestID-PosMG-Request*** that the scheudlingRequestID is only configured for ***schedulingRequestID-PosMG-Request***, ie, the other scheduling request e.g., BFR, cannot use it. |
| Rapporteur | In the field description; we already say:  **configuration applicable for Positioning Measurement Gap Activation/Deactivation Request**  So, it is clear what it is applicable for; i.e it should be applicable for BFR.  Or is there still a need for explicit mentioning?? |
| CATT | OPTIONAL is missed in UEPositioningAssistanceInfo-v17xy-IEs:  UEPositioningAssistanceInfo-v17xy-IEs::= SEQUENCE {  ue-TxTEG-TimingErrorMarginValue-r17 ENUMERATED {tc0, tc2, tc4, tc6, tc8, tc12, tc16, tc20, tc24, tc32, tc40, tc48, tc56,  tc64, tc72, tc80} OPTIONAL,  nonCriticalExtension SEQUENCE {} OPTIONAL  }  Comments to Huawei on ue-TxTEG-TImingErrorMarginValue: Companies agree the TP for RRC which margin applies to all TxTEGs in one RRC message. When there is a change of value at another instance, UE may report a new RRC message within the new value of TxTEGs. Considering the association may change frequently while value doesn’t, and the majority company supporting this structure, we are O.K. with the CR.  [HW] Thanks for the clarification from CATT. But if this is agreeable, then it should be reflected in the procedural text of the RRC, right? |
| Rapporteur | Below has been added  2> include one *ue-TxTEG-TimingErrorMarginValue* for each *UEPositioningAssistanceInfo* message; |
| ZTE | 1. ue-TxTEG-TImingErrorMarginValue needs to add in field description that:   If the ue-TxTEG-AssociationList is present and this field is absent, the receiver should consider the UE Tx TEG timing error margin value to be the maximum value available within the candidate values.   1. The corresponding procedure description should be also added as follows:  **5.7.14.3 Actions related to transmission of *UEPositioningAssistanceInfo* message** The UE shall set the contents of the *UEPositioningAssistanceInfo* message as follows:  1> if *ue-TxTEG-RequestUL-TDOA-Config* in *RRCReconfiguration* message is configured with *periodicReporting*;  2> for all the association changes store *ue-TxTEG-Association* corresponding to each *ue-TxTEG-ID* with *nr-TimeStamp*;  2> include the results in *ue-TxTEG-AssociationList* in the *UEPositioningAssistanceInfo* message on expiry of each configured period;  2> include one timing error margin value for all the UE Tx TEGs containing in *ue-TxTEG-AssociationList* in the *UEPositioningAssistanceInfo* message.  1> else if *ue-TxTEG-RequestUL-TDOA-Config* in *RRCReconfiguration* message is configured with *oneShot*:  2> identify the *ue-TxTEG-Association* corresponding to each *ue-TxTEG-ID* with *nr-TimeStamp*;  2> include the results in *ue-TxTEG-AssociationList* in the *UEPositioningAssistanceInfo* message only one time.  2> include one timing error margin value for all the UE Tx TEGs containing in *ue-TxTEG-AssociationList* in the *UEPositioningAssistanceInfo* message.  The UE shall submit the *UEPositioningAssistanceInfo* message to lower layers for transmission. |
| Rapporteur | For below comment:  If the ue-TxTEG-AssociationList is present and this field is absent, the receiver should consider the UE Tx TEG timing error margin value to be the maximum value available within the candidate values  I do not see above has RRC impact as gNB is not the recipient and it would simply be relayed to LMF via NRPPa. The above can be captured in NRPPa; if need be. In RRC, we anyway have provision for optional.  For the clause 2> which was missing; below has been added  2> include one *ue-TxTEG-TimingErrorMarginValue* for each *UEPositioningAssistanceInfo* message; |
| Qualcomm | Regarding ZTE comment and Rapporteur's response:  "In RRC, we anyway have provision for optional."  I can not see this. The text currently specifies:  The UE shall set the contents of the *UEPositioningAssistanceInfo* message as follows:  2> include one *ue-TxTEG-TimingErrorMarginValue* for each *UEPositioningAssistanceInfo* message;  This does not look optional, and a UE following the previous version of the specification can not do this. Therefore, I agree with ZTE comment. |
| Rapporteur | In ASN.1 it is already Optional.  So to align with the agreement then we can add as below:  2> optionally include one *ue-TxTEG-TimingErrorMarginValue* for each *UEPositioningAssistanceInfo* message; |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

# Conclusion

In the previous sections we made the following observations: