3GPP TSG-RAN WG2 #117-e Tdoc R2-22xxxxx

Electronic meeting, 2022-02-21 - 2022-03-03

Agenda Item: 8.11.1

Source: Ericsson

Title: [Post117-e][604][POS] Positioning CR to 38.331 (Ericsson)

Document for: Discussion, Decision

# 1 Introduction

# 1 Introduction

This document is to collect comments for the RRC CRs:

* [Post117-e][604][POS] Positioning CR to 38.331 (Ericsson)

      Scope: Update and check the CR in R2-2204022.

      Intended outcome: Agreed CR

      Deadline:  Thursday 2022-03-10 09:00 UTC (for RP)

# 2 Contact Information

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# 3  Discussion

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| Company | Comments |
| CATT | 1.TS 37.355, 38.305 should be added: Other core specifications TS/TR ... CR ... : 2. This part in 5.3.13 may be deleted.1> if the UE performs connection resumption in a different cell than the cell where *srs-PosRRC-InactiveConfig* was configured;2> release *srs-PosRRC-InactiveConfig,* if configured;Editor’s Note: This agreement/clause may not be needed because we have this agreement TA timer configuration is invalidated upon any cell reselection; see 5.7.Y.Rapp: Yes this was also my thinking. Howver based below vivo’s comment there may be some impact which is not clear to me yet. Hence, I would like to jeep the Editor’s note for now.3. Editor note should be deleted in this version.Editor’s Note: Add Reference for TS 38.1333 on measurement gap requirements.Rapp: We may need RAN4 reference since it is about UE measurement gap requirements and if they have specified something we can refer to that section. If not, I agree we can remove. So, lets leave it for now.4. Suggest to update as:2> if a request from upper layers indicate that either of the current gap is not needed:Rapp: The word either can be deleted.5. Comments on Editor’s Note: To check further if section 5.7.X and 5.7.Y can be consolidated under new section 5.X NR Positioning similar to section 5.8 Sidelink.CATT prefer to keep 5.7.X and 5.7.Y as they are because 5.8 is for PC5-RRC, and 5.7 is for NR-RRC which includes positioning functionality. Rapp: Ok. Lets keep the Editor’s note for now.6. The request of UE TxTEG association report is missed.Rapp: It is in SRS-Config. |
| Xiaomi | In 5.5.6.2, 1> if *preConfigGapID* is activated:2> if a request from upper layers to transmit either a new *preConfigGapID* or to modify the current *measGapConfig* is received; or2> if a request from upper layers indicate either that the current gap is not needed:3> trigger the lower layers to cancel the current active measurement gap as specified in TS 38.321 [6];We think the above description is not in the proper section since section 5.5.6.2 specify the UE behaviour on how to initiate the location measurement indication procedure to indicate start or stop. The above description is not related to location measurement indication procedure. Maybe a new section for preconfigured MG is needed.Rapp: Lets discuss this next meeting. There was comment from Huawei previously they prefer the changes in the legacy procedure. |
| Huawei, HiSIlicon | 5.5.6.2 InitiationThe UE shall:1> if and only if upper layers indicate to start performing location measurements towards E-UTRA or NR or start subframe and slot timing detection towards E-UTRA, and the UE requires measurement gaps for these operations while measurement gaps are either not configured or not sufficient:2> if preconfigured measurement gaps are configured and the UE considers that one of the preconfigured gaps meets the measurement gap requirements:Editor’s Note: Add Reference for TS 38.1333 on measurement gap requirements.3> trigger the lower layers to initiate the measurement gap request using UL MAC CE as specified in TS 38.321 [6];2> else:3> initiate the procedure to indicate start;<irrelevant part is omitted>1> if *preConfigGapID* is activated:2> if a request from upper layers to transmit either a new *preConfigGapID* or to modify the current *measGapConfig* is received; or2> if a request from upper layers indicate either that the current gap is not needed:3> trigger the lower layers to cancel the current active measurement gap as specified in TS 38.321 [6]; |
| vivo | 1. For the following procedure, agree with the rapporteur that the former agreement shall be overridden by the new one. Besides, we think the UE behavior when resuming in the cell where srs-PosRRC-InactiveConfig was configured shall be clarified, i.e., whether the configured srs-PosRRC-InactiveConfig will be released.1> if the UE performs connection resumption in a different cell than the cell where *srs-PosRRC-InactiveConfig* was configured;2> release *srs-PosRRC-InactiveConfig,* if configured;Editor’s Note: This agreement/clause may not be needed because we have this agreement TA timer configuration is invalidated upon any cell reselection; see 5.7.Y.Rapp: The exact change suggested is unclear. Lets keep the Editor’s note for now and we can come back later to this.2. RRC\_Inactive -> RRC\_INACTIVERapp: Thanks done.3. update the TxTEG report based on RAN1 agreement:* The correct value range of *maxNumOfUE-RxTEG* is 32.
* The parameter *[srs-PosResourceSetId]* is not needed.
* If a UE is configured with SRS for positioning in multiple CCs, when the UE reports UE Tx TEG(s) for UL-TDOA or Multi-RTT, the frequency information of SRS for positioning resources should be included in the report;

For bullet 3, we think that point A and offsetToCarrier are needed.Rapp: Thanks. Lets keep the FFS for now and we can solve this next meeting4. a typo in PosMeasGapPreConfig information elementpreConfgGapID -> preConfigGapIDRapp. Thanks done. |
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# 4 Conclusion