3GPP TSG-RAN WG2 #124 R2-23xxxxx

**Chicago, USA, 13th – 17th November 2023**

Agenda Item: 7.2.1

Source: Ericsson

Title: [Post123bis][410][POS] Rel-18 positioning RRC CR (Ericsson)

Document for: Discussion, Decision

# Introduction

This is to kick off the email discussion.

* [Post123bis][410][POS] Rel-18 positioning RRC CR (Ericsson)

 Scope: Review the running CR and develop an open issue list.

 Intended outcome: Draft CR and open issue list for next meeting

 Deadline: Medium (2 weeks)

# 2 Discussion

## 2.1 Sidelink CR

For Sidelink resource pool configuration ASN.1 implementation, there are two Options:

1) Reuse Legacy IE and update the field description: adding additional part into existing IEs

2) Create a new IE for SL positioning resource pool configuration

A document with both versions have been provided [here](https://www.3gpp.org/ftp/Email_Discussions/RAN2/%5BRAN2%23123bis%5D/%5BPost123bis%5D%5B410%5D%5BPOS%5D%20Rel-18%20positioning%20RRC%20CR%20%28Ericsson%29/Sidelink%20Positioning%20RRC%20Changes%20ASN1%20Option1%20Option2.docx).

Please provide your comments on which Option is preferred.

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| Company Name | Option 1 or Option 2 | Comments on preferred Option and additionally on the CR, if any: |
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## 2.2 Bandwidth Aggregation CR

Please provide your comments on the [CR](https://www.3gpp.org/ftp/Email_Discussions/RAN2/%5BRAN2%23123bis%5D/%5BPost123bis%5D%5B410%5D%5BPOS%5D%20Rel-18%20positioning%20RRC%20CR%20%28Ericsson%29/SRS%20Bandwidth%20Aggregation%20CR.docx).

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## 2.3 RedCaP CR

Please provide your comments on the [CR](https://www.3gpp.org/ftp/Email_Discussions/RAN2/%5BRAN2%23123bis%5D/%5BPost123bis%5D%5B410%5D%5BPOS%5D%20Rel-18%20positioning%20RRC%20CR%20%28Ericsson%29/RedCap%20CR.docx).

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## 2.4 CPP CR

For CPP CR, Pls provide your view:

1) No RRC Impact

2) Agree that there is RRC impact and Please provide your comments on the [CR](https://www.3gpp.org/ftp/Email_Discussions/RAN2/%5BRAN2%23123bis%5D/%5BPost123bis%5D%5B410%5D%5BPOS%5D%20Rel-18%20positioning%20RRC%20CR%20%28Ericsson%29/Carrier%20Phase%20Positioning%20CR.docx).

3) Wait for RAN1 Guidance

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| Company Name | Option 1/2/3 | Comments |
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## 2.5 LPHAP

Please provide your comments on the LPHAP [CR](https://www.3gpp.org/ftp/Email_Discussions/RAN2/%5BRAN2%23123bis%5D/%5BPost123bis%5D%5B410%5D%5BPOS%5D%20Rel-18%20positioning%20RRC%20CR%20%28Ericsson%29/LPHAP%20CR.docx).

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## Open Questions for LPHAP

1) whether SRS configuration will be released after UE moves out of validity area or only the timer is stopped.;

1> else if cell reselection occurs when *srs-PosRRC-InactiveValidityArea* is configured and if the cell is not included in the *srs-PosConfigValidityArea*:

 2> indicate to the lower layer to stop *inactivePosSRS-ValidityAreaTAT*;

 2> release the srs-PosRRC-InactiveValidityArea.

Please provide your view on above:

1) Yes the release cause is fine

2) No the release cause is not needed

3) Other: should be discussed via contributions

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| Company Name | Yes/No/Other |  |
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**2)** Currently, there is an FFS on how to distinguish between preconfigured SRS validity area configuration and normal SRS configuration with validity area and further when to start/stop the timer.

2> if *srs-PosRRC-InactiveValidityArea* is configured:

3> apply the configuration and instruct MAC to start the *inactivePosSRS-ValidityAreaTAT*;

Editor’s Note: For preconfigured SRS, there is no need to start the *inactivePosSRS-ValidityAreaTAT* immediately. But for Periodic SRS the above clause would be needed. Agreement says: “Periodic SRS is supported to be configured with validity area. This agreement does not affect preconfigured SRS.” How to differentiate normal and preconfigured SRS. FFS How to start/stop the timer.

Rapporteur suggests that this should be resolved with contribution to next meeting.

## 2.6 Any other comments

Please provide any other comments below.

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# Conclusion

In the previous sections we made the following observations:

Based on the discussion in the previous sections we propose the following:

# References