**3GPP TSG-RAN2 Meeting #123bis R2-231**

**Xiamen, China , 9th -13th October, 2023**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **38.321** | **CR** | DraftCR | **rev** | **-** | **Current version:** | 17.5.0 |  |
|  | | | | | | | | |
| *For* [***HELP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | Draft running MAC CR for the introduction of carrier phase positioning | | | | | | | | | |
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| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | RAN2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_pos\_enh2 | | | | |  | ***Date:*** | | | 2023-10-09 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
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| ***Reason for change:*** | | * **Issue1**: In the LS to RAN1 on RAN1-led positioning issues, the following question has been asked regarding the time window for UL-SRS transmission for carrier phase positioning as in R2-2311391  |  | | --- | | Carrier phase positioning:   * For simultaneous transmission of UL SRS from a target UE and a PRU, is there a need for gNB to indicate the time window(s) directly to UE? |   Hence, an FFS is added in a newly created section for SRS transmission in carrier phase positioning | | | | | | | | |
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| ***Summary of change:*** | | The following changes have been applied in the current CR   * Change1: Add a new section for SRS transmission in carrier phase positioning | | | | | | | | |
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| ***Consequences if not approved:*** | | The new feature carrier phase positioning can not be well supported by the MAC spec | | | | | | | | |
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| ***Clauses affected:*** | | 5.xx | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Ver0 in RAN2#123bis: R2-23 | | | | | | | | |

====================================CHANGE BEGIN====================================

## 5.xx SRS transmission for carrier phase positoning

Editor's NOTE: FFS whether the UL time window needs to be indicated to the UE from the gNB for carrier phase positioning.

=====================================END OF CHANGES=================================