**3GPP TSG RAN WG1 #110bis-e R1-2210xxx**

**Electronic Meeting, October 10th – 19th, 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **[DRAFT] CHANGE REQUEST** | | | | | | | | |
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|  | **38.214** | **CR** | **xxxx** | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *For* [***HE******LP***](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: | Corrections on CPS operation in sidelink partial sensing | | | | | | | | | |
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| ***Source to WG:*** | Moderator (OPPO) | | | | | | | | | |
| ***Source to TSG:*** | RAN WG1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_SL\_enh-Core | | | | |  | ***Date:*** | | | 2022-10-13 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | One of the conditions for UE performing PBPS and CPS for periodic transmission is mis-placed in the description.  According to agreement in RAN1#107-e, when resource (re)selection is triggered for aperiodic transmission, the description for UE performing partial sensing for CPS is not entirely correct.  Description for is missing for the case when resource (re)selection is triggered for aperiodic transmission.  A repeated/duplicated sentence exists in the same section. | | | | | | | | |
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| ***Summary of change:*** | | Move the condition “” to an earlier sentence so that the whole paragraph for UE performing CPS is about resource (re)selection for periodic transmission.  Add the term “at least” contiguous partial sensing for aperiodic transmission.  To make the description cleaner, remove the part “with periodic reservation for another TB (*sl-MultiReserveResource*) disabled” from the description since the opertation is applicable and meant to cover both cases of periodic reservation for another TB (*sl-MultiReserveResource*) enabled and disabled.  Define in the CPS operation to be the first slot of the selected Y’ candidate slots for the case of aperiodic transmission.  A repeated/duplicated sentence is deleted. | | | | | | | | |
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| ***Consequences if not approved:*** | | The CPS operation in sidelink partial sensing is not aligned with the agreement and remained incorrect. | | | | | | | | |
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| ***Clauses affected:*** | | 8.1.4 | | | | | | | | |
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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:*** | |  | | | | | | | | |

**<Unchanged parts omitted>**

### 8.1.4 UE procedure for determining the subset of resources to be reported to higher layers in PSSCH resource selection in sidelink resource allocation mode 2

**<Unchanged parts omitted>**

When the UE performs periodic-based partial sensing and contiguous partial sensing with periodic reservation for another TB (*sl-MultiReserveResource*) enabled and , the sensing window is defined by the range of slots . *n*+*T*A is *M* consecutive logical slots earlier than slot , and *n*+*T*B is slots earlier than , where is the first slot of the selected *Y* candidate slots of PBPS, and , are in units of physical time/slots. The value of *M* is (pre-)configured with the *sl-CPS-WindowPeriodic*. If *sl-CPS-WindowPeriodic* is not (pre-)configured, *M* equals to 31.

When the UE performs at least contiguous partial sensing and if , the sensing window is defined by the range of slots . and are both selected such that the UE has sensing results starting at least *M* consecutive logical slots before and ending at slots earlier than , where is the first slot of the selected candidate slots. The value of *M* is (pre-)configured with the *sl-CPS-WindowAperiodic*. If *sl-CPS-WindowAperiodic* is not (pre-)configured, *M* equals to 31. When the minimum *M* slots for CPS cannot be guaranteed and when , it is up to UE implementation to either continue with step 3) or perform random selection.

**<Unchanged parts omitted>**