3GPP TSG-RAN WG1 Meeting #104-e R1-21xxxxx

**e-Meeting, January 26th – February 5th, 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **38.214** | **CR** | **draft** | **rev** | **-** | **Current version:** | **16.4.0** |  |
|  |
| *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 |  | Radio Access Network | **X** | Core Network |  |

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| ***Title:***  | [draft] Correction to pre-emption condition for Mode-2 resource allocation |
|  |  |
| ***Source to WG:*** | Moderator (Intel Corporation), Ericsson, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell |
| ***Source to TSG:*** | RAN WG1 |
|  |  |
| ***Work item code:*** | 5G\_V2X\_NRSL-Core |  | ***Date:*** | 2021-02-01 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-16 |
|  | *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 canbe 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)* |
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| ***Reason for change:*** | Correction to pre-emption condition for Mode-2 resource allocation implementing agreements made in [103-e-NR-Rel-16-V2X-04] |
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| ***Summary of change:*** | The condition to check pre-emption event updated to reflect that it can be evaluated even for a resource excluded from the identified resource set S\_A due to step 5) related to exclusion of non-monitored slotsThe following agreement is implemented:Agreements:* When a UE checks pre-emption for a resource, the UE identifies a candidate resource set based on steps 1-7 in clause 8.1.4 TS 38.214
	+ After the candidate set is identified, the UE checks SL-RSRP measurement and priority condition as per agreements, for resource(s) {r’} subject to pre-emption overlapping with received SCI 1-A and not included in the candidate set, where the RSRP threshold is the final threshold after executing steps 1-7 i.e. includes all necessary increments for reaching X%.
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| ***Consequences if not approved:*** | When a UE is enabled with periodic reservations, pre-emption condition is not triggered since RSRP threshold could not be compared for a resource excluded in step 5), resulting in pre-emption mechanism effectively not working together with periodic reservations |
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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 ...  |
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| ***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 >**

If a resource from the set is not a member of , then the UE shall report re-evaluation of the resource to higher layers.

If a resource from the set meets the conditions below then the UE shall report pre-emption of the resource to higher layers

- is not a member of , and

- meets the conditions for exclusion in step 6, with set to the final threshold after executing steps 1)-7), i.e. including all necessary increments for reaching , and

- the associated priority satisfies one of the following conditions

- *sl-PreemptionEnable* is provided and is equal to 'enabled' and

- *sl-PreemptionEnable* is provided and is not equal to 'enabled', and and

**< Unchanged parts omitted >**