**3GPP TSG-RAN WG4 Meeting #102-e *R4-2207027***

**Online, Feb 21 – Mar 3, 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.133** | **CR** | **DraftCR** | **rev** | **-** | **Current version:** | **17.4.0** |  |
|  | | | | | | | | |
| *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 | **X** | Radio Access Network |  | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | DraftCR on interruption requirements for NR sidelink relay | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_SL\_relay-Core | | | | |  | ***Date:*** | | | 2022-02-14 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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:*** | | In R17, it has been agreed to define the interruption requirements at NR sidelink discovery configuration for NR SL relay. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Based on the version of [R4-2202708], the interruption requirements at NR sidelink discovery configuration is updated   1. To add the IE name used for NR sidelink discovery. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The interruption requirements at NR sidelink discovery configuration are not completed in R17. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 12.y | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS38.533 | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

<Start of Change 1>

12.y Interruptions at NR sidelink discovery configuration

12.y.1 Introduction

This clause contains the requirements related to the interruptions on the PCell/serving cell due to NR sidelink discovery.

12.y.2 Requirements

A UE capable of NR sidelink discovery may indicate its interest (initiation or termination) in NR sidelink discovery to the connected gNodeB using IE *SidelinkUEInformationNR* in TS38.331[2].

The UE is allowed an interruption of up to the duration shown in Table 12.y.2-1 on the PCell/serving cell during the RRC reconfiguration procedure that includes the NR sidelink discovery configuration message [*sl-DiscConfig*] in TS 38.331[2] (setup and release). This interruption is for both uplink and downlink of the PCell/serving cell.

**12.y.2-1: Interruption length at NR sidelink discovery configuration**

|  |  |  |
| --- | --- | --- |
|  | **NR Slot length (ms)** | **Interruption length**  **(number of slots)** |
| 0 | 1 | 2 |
| 1 | 0.5 | 3 |
| 2 | 0.25 | 5 |
| 3 | 0.125 | 9 |

<End of Change 1>