**3GPP TSG-RAN WG1 Meeting #107-e *R1-21xxxxx***

**e-Meeting, November 11–19, 2021**

|  |
| --- |
| *CR-Form-v12.1* |
| **DRAFT CHANGE REQUEST** |
|  |
|  | **38.212** | **CR** |  | **rev** | **-** | **Current version:** | **16.7.0** |  |
|  |
| *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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

|  |
| --- |
|  |
| ***Title:***  | Introduction of NR sidelink enhancement |
|  |  |
| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | R1 |
|  |  |
| ***Work item code:*** | NR\_SL\_enh-Core |  | ***Date:*** | 2021-11-29 |
|  |  |  |  |  |
| ***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 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)* |
|  |  |
| ***Reason for change:*** | Inclusion of NR sidelink enhancement. |
|  |  |
| ***Summary of change:*** | Support of NR sidelink enhancement. |
|  |  |
| ***Consequences if not approved:*** | NR sidelink enhancement in Rel-17 will be incomplete  |
|  |  |
| ***Clauses affected:*** | 8.3.1.1, 8.4.1.3(new) |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** | **X** |  |  Other core specifications  | TS 38.213, TS 38. 214 |
| ***affected:*** |  | **X** |  Test specifications |  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications |  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

#### 8.3.1.1 SCI format 1-A

< Unchanged parts are omitted >

Table 8.3.1.1-1: 2nd-stage SCI formats

|  |  |
| --- | --- |
| **Value of 2nd-stage SCI format field** | **2nd-stage SCI format** |
| 00 | SCI format 2-A |
| 01 | SCI format 2-B |
| 10 | SCI format 2-C |
| 11 | Reserved |

< Unchanged parts are omitted >

#### 8.4.1.3 SCI format 2-C

SCI format 2-C is used for the decoding of PSSCH and providing inter-UE coordination information.

The following information is transmitted by means of the SCI format 2-C:

- HARQ process number – 4 bits.

- New data indicator – 1 bit.

- Redundancy version – 2 bits as defined in Table 7.3.1.1.1-2.

- Source ID – 8 bits as defined in clause 8.1 of [6, TS 38.214].

- Destination ID – 16 bits as defined in clause 8.1 of [6, TS 38.214].

- HARQ feedback enabled/disabled indicator – 1 bit as defined in clause 16.3 of [5, TS 38.213].

- Resource combination(s) – x bits as defined in clause x.x of [6, TS 38.214].

- First resource location(s) – x bits as defined in clause x.x of [6, TS 38.214].

< Unchanged parts are omitted >