**3GPP TSG RAN WG1 #110bis-e R1-22xxxxx**

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

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| *CR-Form-v12.1* | | | | | | | | |
| **[DRAFT] CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.211** | **CR** | **xxxx** | **rev** |  | **Current version:** | **17.3.0** |  |
|  | | | | | | | | |
| *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 | **X** | Core Network |  |

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| Title: | Correction on sidelink timing | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Moderator (LG Electronics) | | | | | | | | | |
| ***Source to TSG:*** | RAN WG1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_SL\_enh-Core | | | | |  | ***Date:*** | | | 2022-10-17 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | CR R4-2204147 was agreed by RAN4, after which the definitions of values in the RAN1 and RAN4 specifications are no longer consistent in the case of gNB based synchronization. If sidelink and uplink transmissions are in the same band, value is not equal to zero, but the value is defined in Table 7.1.2-2 of TS 38.133. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | values for sidelink are no longer specified in TS 38.211 but it is stated that values can be found in TS 38.133 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | values for sidelink are not consistent in the RAN1 and RAN4 specifications. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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>**

8.5 Timing

Transmission of a sidelink radio frame number from the UE shall start seconds before the start of the corresponding timing reference frame at the UE. The UE is not required to receive sidelink or downlink transmissions earlier than the value of , which is given in [12, TS 38.133], after the end of a sidelink transmission.

For sidelink transmissions:

If the UE has a serving cell fulfilling the S criterion according to clause 8.2 of [13, TS 38.304]

- The timing of reference radio frame equals that of downlink radio frame in the cell with the same uplink carrier frequency as the sidelink and

- is given by clause 4.3.1 of [TS 38.211],

Otherwise

- The timing of reference radio frame *i* and value are given by clause 12.2.2, 12.2.3, 12.2.4 or 12.2.5 of [12, TS 38.133].

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**Figure 8.5-1: Sidelink timing relation**

The quantity equals to 0.

**<Unchanged parts omitted>**