**3GPP TSG- Meeting #121bis-e *draft***

**Online, 17th – 26th April 2023**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** | - | **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:***  | Capabilities of L2 UE-to-network relay Ues for positioning |
|  |  |
| ***Source to WG:*** | MediaTek Inc., CATT, Huawei, HiSilicon, Qualcomm Incorporated, Xiaomi, Intel Corporation, vivo |
| ***Source to TSG:*** |  |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** | 2023-04-24 |
|  |  |  |  |  |
| ***Category:*** | **C** |  | ***Release:*** |  |
|  | *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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
|  |  |
| ***Reason for change:*** | A UE when operating as an NR L2 UE-to-network relay UE needs to indicate its capability to the network. |
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| ***Summary of change:*** | 1. Adding a UE capability to indicate whether the UE, when operating as an NR L2 sidelink relay UE, supports forwarding of posSIBs or not.
2. Adding a UE capability to indicate whether the UE, when operating as an NR L2 sidelink relay UE, supports indication of the offset between SFN and DFN timelines or not.
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| ***Consequences if not approved:*** | A UE can’t signal the capability, meaning the network don’t know the UE capability when the UE operating as an NR L2 sidelink relay UE  |
|  |  |
| ***Clauses affected:*** | 4.2.16.1.1 |
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|  | **Y** | **N** |  |  |
| ***Other specs*** | **Y** |  |  Other core specifications  | TS 38.331 CR XXXXTS 37.355 CR XXXXTS 38.305 CR XXXX |
| ***affected:*** |  |  |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  |  |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

*START OF CHANGE*

##### 4.2.16.1.1 Sidelink General Parameters

| Definitions for parameters | Per | M | FDD-TDD DIFF | **FR1-FR2**DIFF |
| --- | --- | --- | --- | --- |
| ***accessStratumReleaseSidelink-r16***Indicates the access stratum release for NR sidelink communication the UE supports as specified in TS 38.331 [9]. | UE | Yes | No | No |
| ***posSIB-ForwardingSupported-r18***Indicates whether the UE, when operating as an NR L2 sidelink relay UE, supports forwarding of posSIBs. | UE | No | No | No |
| ***relayUE-Operation-L2-r17***Indicates whether NR L2 sidelink relay UE operation is supported by the UE. | UE | No | No | No |
| ***remoteUE-Operation-L2-r17***Indicates whether NR L2 sidelink remote UE operation is supported by the UE.  | UE | No | No | No |
| ***remoteUE-PathSwitchToIdleInactiveRelay-r17***Indicates whether L2 sidelink remote UE supports direct to indirect path switch with target relay in RRC\_IDLE or RRC\_INACTIVE state. | UE | No | No | No |
| ***sfn-DFN-OffsetSupported-r18***Indicates whether the UE, when operating as an NR L2 sidelink relay UE, supports indication of the offset between SFN and DFN timelines. | UE | No | No | No |

*END OF CHANGE*