**3GPP TSG-CT WG1 Meeting #137-eC1-22xxxx**

**E-meeting, 18-26 August 2022 (was C1-224656)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.554** | **CR** | **0128** | **rev** | **1** | **Current version:** | **17.1.0** |  |
|  | | | | | | | | |
| *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:*** | Clarification on 5G ProSe direct link release procedure | | | | | | | | | |
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| ***Source to WG:*** | ASUSTeK | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5G\_ProSe | | | | |  | ***Date:*** | | | 2022-08-11 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | According to TS38.331-h10, a remote UE may receive a *RRCReconfiguration* message including *reconfigurationWithSync* from gNB for switching the remote UE from indirect communication path (i.e. communicating with gNB via a L2 U2N Relay UE) to direct communication path (i.e. communicating with gNB directly). The related statements were quoted below:  5.3.5.5.2 Reconfiguration with sync  …  1> else (*sl-PathSwitchConfig* is not included):  …  > if the UE is acting as L2 U2N Remote UE at the source side:  3> indicate upper layer to trigger PC5 unicast link release.  In above situation, the L2 U2N Remote UE indicates upper layer to trigger PC5 unicast link release. In order for the alignment with TS38.331, this CR proposes that a new request from lower layer for the L2 U2N Remote UE to initiate 5G ProSe direct link release procedure should be specified in TS24.554. | | | | | | | | |
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| ***Summary of change:*** | | 1. The statement of “*5G ProSe layer-2 remote UE*” is newly added for the UE to initiate the 5G ProSe direct link release procedure when a request of 5G ProSe direct link release is received from the lower layer. | | | | | | | | |
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| ***Consequences if not approved:*** | | TS24.554 is not aligned with TS38.331 for supporting direct link release initiated by a request from lower layer for L2 U2N Remote UE. | | | | | | | | |
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| ***Clauses affected:*** | | 7.2.6.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\* \* \* Start of Changes \* \* \* \*

7.2.6.1 General

The 5G ProSe direct link release procedure is used to release a secure 5G ProSe direct link between two UEs. The link can be released from either end point. The UE sending the PROSE DIRECT LINK RELEASE REQUEST message is called the "initiating UE" and the other UE is called the "target UE".

If the UE receives an indication of radio link failure or an indication of PC5-RRC connection release from the lower layer, the UE shall release the 5G ProSe direct link locally and may delete the KNRP ID associated with this link after an implementation specific time. If the UE acting as 5G ProSe layer-2 UE-to-network relay UE or 5G ProSe layer-2 remote UE receives a request of 5G ProSe direct link release from the lower layer as specified in 3GPP TS 38.331 [13], the UE shall initiate the 5G ProSe direct link release procedure.

When the direct link between a remote UE and a 5G ProSe UE-to-network relay UE is released, the 5G ProSe layer-3 UE-to-network relay UE shall perform the remote UE report procedure as specified in 3GPP TS 24.501 [11].

\* \* \* End of Changes \* \* \* \*