**3GPP TSG-CT WG1 Meeting #124-eC1-203267**

**Electronic meeting, 2-10 June 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.587** | **CR** | **0052** | **rev** | **1** | **Current version:** | **16.0.0** |  |
|  | | | | | | | | |
| *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:*** | Handling of link release procedure | | | | | | | | | |
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| ***Source to WG:*** | vivo | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eV2XARC | | | | |  | ***Date:*** | | | 2020-05-26 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | After PC5 unciast link release, UE shall inform the lower layer along with PC5 link identifier that the PC5 unicast link has been released, which enables the lower layer to release the context of this PC5 unicast link. | | | | | | | | |
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| ***Summary of change:*** | | Add the following UE’s behaviors after the link release   * UE shall inform the lower layer along with PC5 link identifier that the PC5 unicast link has been released, which enables the lower layer to release the context of this PC5 unicast link. | | | | | | | | |
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| ***Consequences if not approved:*** | | The UE’s behaviors are not complete regarding the PC5 unicast link release. | | | | | | | | |
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| ***Clauses affected:*** | | 6.1.2.4.3, 6.1.2.4.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\* \* \* First Change \* \* \* \*

##### 6.1.2.4.3 PC5 unicast link release procedure accepted by the target UE

Upon receiving a DIRECT LINK RELEASE REQUEST message, the target UE shall stop timer T5001, timer T5002 for this PC5 unicast link, if any of those timers is running, and abort any other ongoing PC5 signalling protocol procedures on this link. The target UE shall respond with a DIRECT LINK RELEASE ACCEPT message. After the message is sent, the target UE shall release the PC5 unicast link by performing the following behaviors:

a) inform the lower layer along with the PC5 link identifier that the PC5 unicast link has been released; and

b) optionally delete the PC5 unicast link context of the PC5 unicast link.

NOTE: How long the UE keeps the PC5 unicast link context depends on UE implementation.

\* \* \* Second Change \* \* \* \*

##### 6.1.2.4.4 PC5 unicast link release procedure completion by the initiating UE

Upon receipt of the DIRECT LINK RELEASE ACCEPT message, the initiating UE shall stop timer T5002 and shall release the PC5 unicast link by performing the following behaviors:

a) inform the lower layer along with the PC5 link identifier that the PC5 unicast link has been released; and

b) optionally delete the PC5 unicast link context of the PC5 unicast link.

NOTE: How long the UE keeps the PC5 unicast link context depends on UE implementation.

\* \* \* End of changes \* \* \* \*