**3GPP TSG-CT WG1 Meeting #123-eC1-202455**

**Electronic meeting, 16-24 April 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.587** | **CR** | **0034** | **rev** | **-** | **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:*** | Resolution of editor's note under 6.1.2.3.6 | | | | | | | | | |
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| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eV2XARC | | | | |  | ***Date:*** | | | 2020-04-05 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | The specification contains an editor’s note under clause 6.1.2.3.6 which needs resolution, quote:  Editor's note: It is FFS how to handle the collision of initiating UE-requested PC5 unicast link modification procedure and target UE-requested PC5 unicast link modification procedure for the same PC5 unicast link.  The above scenario is a race condition which is of very abnormal nature but possible. It is proposed to abort the procedure at the initiating UE side and following actions are left to implementation. | | | | | | | | |
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| ***Summary of change:*** | | The editor’s note is removed by defining the collision scenario. | | | | | | | | |
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| ***Consequences if not approved:*** | | Editor’s note remains in the specification. | | | | | | | | |
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| ***Clauses affected:*** | | 6.1.2.3.6 | | | | | | | | |
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|  | | **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 \* \* \* \*

##### 6.1.2.3.6 Abnormal cases at the initiating UE

The following abnormal cases can be identified:

a) If timer T5001 expires, the initiating UE shall retransmit the DIRECT LINK MODIFICATION REQUEST message and restart timer T5001. After reaching the maximum number of allowed retransmissions, the initiating UE shall abort the PC5 unicast link modification procedure and may notify the upper layer that the target UE is unreachable.

NOTE 1: The maximum number of allowed retransmissions is UE implementation specific.

NOTE 2: After reaching the maximum number of allowed retransmissions, whether the initiating UE releases this PC5 unicast link depends on its implementation.

b) For the same PC5 unicast link, if the initiating UE receives a DIRECT LINK RELEASE message during the initiating UE-requested PC5 unicast link modification procedure, the initiating UE shall abort the PC5 unicast link modification procedure and proceed with the PC5 unicast link release procedure.

c) For the same PC5 unicast link, if the initiating UE receives a DIRECT LINK MODIFICATION REQUEST message during the initiating UE-requested PC5 unicast link modification procedure, the initiating UE shall abort the PC5 unicast link modification procedure. Following handling is implementation dependent, e.g., the initiating UE waits for an implementation dependent time for initiaing a new PC5 unicast link modification procedure, if still needed.

\* \* \* End of Change \* \* \* \*