**3GPP TSG-CT WG1 Meeting #133-bis-eC1-220243**

**E-meeting, 17-21 January 2022**

|  |
| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.501** | **CR** | **3884** | **rev** | **1** | **Current version:** | **17.5.0** |  |
|  |
| *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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **x** | Radio Access Network |  | Core Network | **X** |

|  |
| --- |
|  |
| ***Title:***  | Collision of network initiated PDU session release and remote UE report procedures |
|  |  |
| ***Source to WG:*** | Samsung |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | 5G\_ProSe |  | ***Date:*** | 2022-01-09 |
|  |  |  |  |  |
| ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | It is possible that an L3 relay UE initiates a remote UE report procedure at the same time as the network initiating a PDU session release procedure which leads to collision that is currently missing in the specification. |
|  |  |
| ***Summary of change:*** | Define the handling of collision of remote UE report procedure with PDU session release procedure. Both the UE and the network should progress the PDU session release procedure and abort the remote UE report procedure. |
|  |  |
| ***Consequences if not approved:*** | Unknown handling of the identified collision of procedures leading to different behavior across UEs and networks. |
|  |  |
| ***Clauses affected:*** | 6.6.2.4, 6.6.2.5 |
|  |  |
|  | **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:*** |  |

\*\*\*\*\*\* START CHANGES \*\*\*\*\*\*

#### 6.6.2.4 Abnormal cases in the UE

The following abnormal cases can be identified:

a) Expiry of timer T3586:

 On the first expiry of the timer T3586, the UE shall resend the REMOTE UE REPORT message and shall reset and restart timer T3586. This retransmission is repeated two times, i.e. on the third expiry of timer T3586, the UE shall abort the procedure and release any resources for this procedure.

NOTE: After the abortion of the remote UE report procedure, the remote UE report procedure for the remote UE(s) can be restarted and how to restart the procedure is left to UE implementation.

b) Collision of network-requested PDU session release procedure and remote UE report procedure:

 If the UE receives a PDU SESSION RELEASE COMMAND message during the remote UE report procedure, and the PDU session indicated in the PDU SESSION RELEASE COMMAND message is the PDU session ID that the UE had indicated in the REMOTE UE REPORT message, the UE shall abort the remote UE report procedure and proceed with the network-requested PDU session release procedure.

\*\*\*\*\*\* NEXT CHANGES \*\*\*\*\*\*

#### 6.6.2.5 Abnormal cases on the network side

The following abnormal cases have been identified:

a) Collision of network-requested PDU session release procedure and remote UE report procedure:

 If the SMF receives a REMOTE UE REPORT message during a network-requested PDU session release procedure, and the PDU session indicated in the PDU SESSION RELEASE COMMAND message is the PDU session ID that is in the REMOTE UE REPORT message, the SMF shall abort the remote UE report procedure and proceed with the network-requested PDU session release procedure.

\*\*\*\*\*\* END CHANGES \*\*\*\*\*\*