**3GPP TSG-CT WG1 Meeting CT1#137-eC1-22xxxx**

**E-Meeting, 18th - 26th August 2022**

|  |
| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.554** | **CR** | **0120** | **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)*.* |
|  |

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

|  |
| --- |
|  |
| ***Title:***  | Correction on L2 relay UE selection |
|  |  |
| ***Source to WG:*** | OPPO |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | 5G\_ProSe |  | ***Date:*** | 2022-7-5 |
|  |  |  |  |  |
| ***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:*** | In TS 23.304, there is the following requirement on L2 relay selection:*For PLMN selection and relay selection in the 5G ProSe Layer-2 Remote UE:**- The 5G ProSe Layer-2 Remote UE checks whether the PLMN(s) within the RRC Container (see clause 5.8.3.3) obtained from the 5G ProSe Layer-2 UE-to-Network Relay(s) during 5G ProSe UE-to-Network Relay Discovery in clause 6.3.2.3 are authorized to be connected to via a 5G ProSe Layer-2 UE-to-Network Relay(s), and only the authorized PLMN(s) are then available PLMNs for NAS PLMN selection;**- The 5G ProSe Layer-2 Remote UE selects the 5G ProSe Layer-2 UE-to-Network Relay considering the selected PLMN by NAS layer.*When L2 remote UE selects the relay UE, it should consider its own selected PLMN so that the PLMN is included in the relay UE’s advised PLMN list (in RRC container) considering RAN sharing.But this behavior is missing. |
|  |  |
| ***Summary of change:*** | Add L2 relay UE selection considering remote UE selected PLMN. |
|  |  |
| ***Consequences if not approved:*** | Not align with stage 2 requirement. |
|  |  |
| ***Clauses affected:*** | 8.2.2.2 |
|  |  |
|  | **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 \*\*\*\*\*

#### 8.2.2.2 UE-to-network relay selection procedure initiation

The 5G ProSe remote UE shall trigger the UE-to-network relay selection procedure if the following conditions are met:

a) the UE is authorised to act as a 5G ProSe remote UE towards a 5G ProSe UE-to-network relay UE as specified in clause 5.2.5:

1) if the 5G ProSe remote UE is expected to use 5G ProSe layer-3 UE-to-network relay, the indication whether the UE is authorized to use a 5G ProSe layer-3 UE-to-network relay UE shall be set; and

2) if the 5G ProSe remote UE is expected to use 5G ProSe layer-2 UE-to-network relay, the subset of the PLMN(s) provided by the 5G ProSe layer-2 UE-to-network relay UE shall be in the list of PLMNs in which the UE is authorized to use a 5G ProSe layer-2 UE-to-network relay UE and the 5G ProSe remote UE selected PLMN shall be in the matched PLMN(s) between the PLMN(s) provided by the 5G ProSe layer-2 UE-to-network relay UE and the list of PLMNs in which the UE is authorized to use a 5G ProSe layer-2 UE-to-network relay UE;

b) the UE has obtained a list of 5G ProSe UE-to-network relay UE candidate(s) fulfilling ProSe layer criteria with the monitoring procedure for UE-to-network relay discovery as specified in clause 8.2.1.2.2 or the discoverer procedure for UE-to-network relay discovery as specified in clause 8.2.1.3.1; and

c) the UE has obtained a list of 5G ProSe UE-to-network relay UE candidate(s) fulfilling lower layers criteria as specified in 3GPP TS 38.331 [13].

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