**3GPP TSG-CT WG1 Meeting #141eC1-232519**

**Electronic, 17 – 21 April 2023**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **24.554** | **CR** | **0314** | **rev** | **-** | **Current version:** | **18.0.0** |  |
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| *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:***  | Editorial modification to U2U relay selection and reselection procedures |
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| ***Source to WG:*** | CATT |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | 5G\_ProSe\_Ph2 |  | ***Date:*** | 2023-04-10 |
|  |  |  |  |  |
| ***Category:*** | D |  | ***Release:*** | Rel-18 |
|  | *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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | There are editorial mistakes, e.g. wrong referenced clause numbers in 5G ProSe UE-to-UE relay selection and reselection procedures. |
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| ***Summary of change:*** | Fix the editorial mistakes, e.g. wrong referenced clause numbers in 5G ProSe UE-to-UE relay selection and reselection procedures. |
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| ***Consequences if not approved:*** | Incorrect referenced clauses in 5G ProSe UE-to-UE relay selection and reselection procedures. |
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| ***Clauses affected:*** | 8a.2.2.2, 8a.2.2.3 |
|  |  |
|  | **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 ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* Start of Change \* \* \* \*

#### 8a.2.2.2 UE-to-UE relay selection procedure initiation

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

a) the UE is authorised to act as a 5G ProSe end UE towards a 5G ProSe UE-to-UE relay UE as specified in clause 5.2.7:

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

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

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

b) the UE has obtained a list of 5G ProSe UE-to-UE relay UE candidate(s) fulfilling ProSe layer criteria with the monitoring procedure for UE-to-UE relay discovery as specified in clause 8a.2.1.2.3 or the discoverer end UE procedure for UE-to-UE relay discovery as specified in clause 8a.2.1.3.2;

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

Editor's note: The mentioned reference 3GPP TS 38.331 [13] is subject to be updated based on RAN work.

d) the user info ID of the target 5G ProSe end UE that the UE is interested in is included in the PROSE PC5 DISCOVERY message for UE-to-UE relay discovery announcement (for discovery model A) or in the PROSE PC5 DISCOVERY message for UE-to-UE relay discovery response (for discovery model B).

Editor's note: The above conditions are subject to updates based on SA2 conclusions for the configuration parameters for the 5G ProSe UE-to-UE relay.

#### 8a.2.2.3 UE-to-UE relay selection procedure completion

If there exists only one 5G ProSe UE-to-UE relay UE candidate satisfying the conditions in clause 8a.2.2.2, then that 5G ProSe UE-to-UE relay UE is selected. If there exist more than one 5G ProSe UE-to-UE relay UE candidate satisfying the conditions in clause 8a.2.2.2, any relay candidates not satisfying the non-radio related ProSe layer criteria shall be discarded and out of the remaining relay candidates, the relay candidate with the highest ranking of the lower layer criteria shall be selected. The UE may take the value of the resource status indicator bit of the status indicator parameter of the PROSE PC5 DISCOVERY message for UE-to-UE relay discovery announcement or PROSE PC5 DISCOVERY message for UE-to-UE relay discovery response into account when deciding which 5G ProSe UE-to-UE relay UE to select. It is up to the UE implementation whether the ProSe layer or the lower layers takes the final selection on which 5G ProSe UE-to-UE relay UE to select.

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