**3GPP TSG-CT WG1 Meeting #133-bis-eC1-220359**

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

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.501** | **CR** | **3916** | **rev** | **-** | **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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | General description on Multi-USIM UE in 5GS | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | vivo | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MUSIM | | | | |  | ***Date:*** | | | 2022-1-4 |
|  |  | | | |  | |  | | |  |
| ***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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The general description on Multi-USIM UE is missing in current specification. The general clause on Multi-USIM UE shall be added. | | | | | | | | |
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| ***Summary of change:*** | | Add the general description on Multi-USIM features. | | | | | | | | |
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| ***Consequences if not approved:*** | | Missing general section of Multi-USIM features | | | | | | | | |
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| ***Clauses affected:*** | | 4.XY | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \*

## 4.XY Support of Multi-USIM UE features

Multi-USIM UE features only apply to 3GPP access as specifieid in 3GPP TS 23.501 [8].

The UE and the network may support one and more Multi-USIM UE features (i.e. the N1 NAS signalling connection release, the paging indication for voice services, the reject paging request, the paging restriction and the paging timing collision control).

A UE supporting Multi-USIM UE feature(s) shall indicate support of one or more Multi-USIM UE features (i.e. the N1 NAS signalling connection release, the paging indication for voice services, the reject paging request and the paging restriction) during the registration procedure for initial registration or the registration procedure for mobility registration update. If the UE has indicated support of the N1 NAS signalling connection release or the reject paging request or both and the UE supports the paging restriction, the UE shall indicates support of the paging restriction

The UE supporting the paging restriction indicates support of the paging restriction only when the UE has indicated support of the N1 NAS signalling connection release or the reject paging request or both.

If the UE indicates support of one or more Multi-USIM UE features and the network decides to accept one or more Multi-USIM UE features, the network indicates the support of one or more Multi-USIM UE features during the registration procedure for initial registration or the registration procedure for mobility and periodic registration update. The network shall not indicate support of any Multi-USIM feature to the UE during a registration procedure for emergency services.

The UE requests the use of the N1 NAS signalling connection release, the reject paging request or the paging restriction only if the network has indicated support for the N1 NAS signalling connection release, the reject paging request or the paging restriction respectively.

The UE requests the use of the N1 NAS signalling connection release during the registration procedure for mobility registration update. The UE in 5GMM-CONNECTED mode or in 5GMM-CONNECTED mode with RRC inactive indication initiates the service request procedure to request the use of N1 NAS signalling connection release. The UE in 5GMM-CONNECTED mode with RRC inactive indication initiates the service request procedure to reject the RAN paging and requests the use of N1 NAS signalling connection release. The UE shall not request to use N1 NAS signalling connection release if the UE is registered for emergency services or if the UE has an emergency PDU session established.

The UE in 5GMM-IDLE mode initiates the service procedure to reject the paging request when responding to paging rejects the paging request from the network.

The UE requests the use of the paging restriction when the UE requests the use of the N1 NAS signalling connection release or the reject paging request during the registration procedure for mobility registration update or the service request procedure. The network shall delete any stored paging restrictions and stop restricting paging when the UE does not include Paging restriction IE in the REGISTRATION REQUEST message or SERVICE REQUEST message. If the UE requests the use of the paging restriction when the UE requests the network to release the NAS signalling connection, the network can accept or reject the paging restriction. The UE in 5GMM-IDLE mode can initiate the service request procedure to request to remove the paging restriction.

The UE initiates the registration procedure for mobility registration update for a 5G-GUTI assignment. The UE shall not initiate the registration procedure for mobility registration update for requesting the network to assign a new 5G-GUTI if the UE is not registered for emergency services.

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