**3GPP TSG-CT WG1 Meeting #133-bis-eC1-220360**

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

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.301** | **CR** | **3668** | **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 EPS | | | | | | | | | |
|  |  | | | | | | | | | |
| ***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. 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 | | | | | | | | |
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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 \* \* \* \*

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

Multi-USIM UE features only apply to 3GPP acess as described in 3GPP TS 23.401 [10].

A UE supporting Multi-USIM UE feature(s) shall indicate support of one or more Multi-USIM UE features (i.e. the NAS signalling connection release, the paging indication for voice services, the reject paging request, the paging restriction and the paging timing collision control) during the attach proedure and the normal tracking area updating procedure. 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.

If the UE indicates support of one or more Multi-USIM UE features and the network decides to accept one and more Multi-USIM UE features, the network indicates support of one or more Multi-USIM UE features during the attach proedure and the normal tracking area updating procedure. The network shall not indicate support of any Multi-USIM feature to the UE during an attach procedure for emergency services.

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

The UE requests the use of the NAS signalling connection release during the normal tracking area updating procedure. The UE in in EMM-CONNECTED mode initiates the extended service request procedure to request the use of NAS signalling connection release. The UE shall not request to use NAS signalling connection release if the UE is attached for emergency bearer services or if the UE has a PDN connection for emergency bearer services established.

The UE in EMM-IDLE mode initiates the extended service request procedure to request the use of the reject 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 normal tracking area updating procedure or the extended 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 TRACKING AREA UPDATE message, SERVICE REQUEST message or EXTENDED 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 EMM-IDLE mode initiates the service request procedure to request to remove the paging restriction.

The UE can initiate the normal tracking area updating procedure to request an IMSI Offset vause even if the network has not indicated that it supports paging timing collision control when the UE detects entering a tracking area that is not in the list of tracking areas. The UE shall not initiate the normal tracking area updating procedure for requesting the network to assign an IMSI Offset if the UE is attached for emergency bearer services.

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