**3GPP TSG-CT WG1 Meeting #126-eC1-20xxx2**

**Electronic meeting, 15-23 October 2020 (revision of C1-206074)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.501** | **CR** | **2689** | **rev** | **1** | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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:*** | Paging collision with 5GMM specific procedure or service request procedure | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Apple | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GProtoc17 | | | | |  | ***Date:*** | | | 2020-10-07 |
|  |  | | | |  | |  | | |  |
| ***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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | If PAGING on 3GPP access or NOTIFICATION message is received via non-3GPP access with access type indicating 3GPP access when 5GMM specific or service request procedure over 3GPP access is ongoing, the UE shall ignore the NOTIFICATION message.  However if during the connection establishment for a 5GMM specific procedure or service request procedure lower layers indicate that the access attempt is barred, the UE aborts the ongoing 5GMM specific or service request procedure. In consequenc the network could not proceed with the MT transaction as the connection is not established.  As the UE has already ignored the PAGING or NOTIFICATION for 3GPP access, the UE will not trigger the establishment of the signalling connection as response to the Paging or Notification even UAC barring would allow the connection establishment for the MT transaction. | | | | | | | | |
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| ***Summary of change:*** | | It is clarified that if the PAGING or NOTIFICATION for 3GPP acccess message is received, while a UE-initiated 5GMM specific procedure or service request procedure is ongoing over 3GPP access, the UE proceeds with 5GMM specific procedure or service request procedure. If lower layers indicate that the access attempt is barred, then the UE shall handle the pending paging message as specified in subclause 5.6.2.2.1. Otherwise, the UE shall ignore the paging or NOTIFICATION for 3GPP once lower layers confirm the establishment of the signalling connection. | | | | | | | | |
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| ***Consequences if not approved:*** | | Risk of failure of high priority mobile terminated transactions. | | | | | | | | |
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| ***Clauses affected:*** | | 5.6.2.2.3; 5.6.3.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\*\*\* First change \*\*\*

##### 5.6.2.2.3 Abnormal cases in the UE

The following abnormal cases can be identified:

a) Paging message received with access type set to non-3GPP access while the UE is in 5GMM-CONNECTED mode over non-3GPP access.

The UE shall not respond to paging message.

b) Paging message received with access type set to 3GPP access when UE-initiated 5GMM specific procedure or service request procedure is ongoing.

The UE shall proceed with 5GMM specific procedure or service request procedure. If for these procedures lower layers indicate that the access attempt is barred, then the UE shall handle the pending paging message as specified in subclause 5.6.2.2.1. Otherwise, the UE shall ignore the paging once lower layers confirm the establishment of the signalling connection.

\*\*\* Next change \*\*\*

5.6.3.5 Abnormal cases on the UE side

The following abnormal cases can be identified:

a) NOTIFICATION message received via non-3GPP access with access type indicating 3GPP access when UE-initiated 5GMM specific procedure or service request procedure over 3GPP access is ongoing.

The UE shall proceed with 5GMM specific procedure or service request procedure. If for these procedures lower layers indicate that the access attempt is barred, then the UE shall handle the pending NOTIFICATION message as specified in subclause 5.6.3.2. Otherwise, the UE shall ignore the NOTIFICATION message once lower layers confirms the establishment of the signalling connection.

\*\*\* End change \*\*\*