**3GPP TSG-CT WG1 Meeting #130-eC1-21xxxx**

**Electronic meeting, 20-28 May 2021 (Was C1-213157)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.501** | **CR** | **3230** | **rev** | **1** | **Current version:** | **17.2.1** |  |
|  | | | | | | | | |
| *For* [***HELP***](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:*** | Disabling of N1 mode capability after failure in service request procedure triggered due to Emergency Service Fallback | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Apple, Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GProtoc17 | | | | |  | ***Date:*** | | | 2021-05-25 |
|  |  | | | |  | |  | | |  |
| ***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)* | |
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| ***Reason for change:*** | | If the Emergency Service Fallback fails abnormal the current definitions do not forsee any emergency specifc handling, i.e. the UE would need to re-attempt the ESFB procedure, which would result in a unnecessary delay of the Emergency Call.  In order to ensure that the Emergency call succeeds, the UE may rather attempt to camp on LTE autonomously and continue the Emergency call on LTE, similar as already defined in 5.6.1.5. | | | | | | | | |
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| ***Summary of change:*** | | It is proposed that if the Emergency Service Fallback fails abnormal the UE may attempt to camp on LTE autonomously and if this succeeds proceed with the appropriate EMM or 5GMM procedures. If the UE operating in single-registration mode has changed to S1 mode, it shall disable the N1 mode capability for 3GPP access. | | | | | | | | |
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| ***Consequences if not approved:*** | | The Emergency Call will be delayed unnesseary. | | | | | | | | |
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| ***Clauses affected:*** | | 5.6.1.6A | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \**

#### 5.6.1.6A Service request procedure for an emergency services fallback not accepted by the network

If the service request for initiating an emergency services fallback cannot be accepted by the network, the UE shall perform the procedures as described in subclause 5.6.1.5 and if the UE does not attempt to select an E-UTRA cell connected to EPC or 5GCN as described in subclause 5.6.1.5 and is camped on NR or E-UTRA cell connected to 5GCN in the same PLMN where the last service request was attempted, the UE shall inform the upper layers of the failure of the procedure.

NOTE 1: This can result in the upper layers requesting another emergency call attempt using domain selection as specified in 3GPP TS 23.167 [6].

If the service request for initiating an emergency services fallback fails due to abnormal cases a) in subclause 5.6.1.7 and the UE shall inform the upper layers of the failure of the emergency services fallback.

NOTE 2: This can result in the upper layers requesting another emergency call attempt using domain selection as specified in 3GPP TS 23.167 [6].

If the service request procedure for initiating an emergency services fallback fails due to abnormal cases other than a) in subclause 5.6.1.7, the UE may abort the service request procedure, if not aborted already and attempt to select an E-UTRA cell connected to EPC or 5GCN according to the domain priority and selection rules specified in 3GPP TS 23.167 [6]. If the UE finds a suitable E-UTRA cell, it then proceeds with the appropriate EMM or 5GMM procedures. If the UE operating in single-registration mode has changed to S1 mode, it shall disable the N1 mode capability for 3GPP access.

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