**3GPP TSG-CT WG1 Meeting #133e-bisC1-22xxxx**

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

|  |
| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.501** | **CR** | **3948** | **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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |
| --- |
|  |
| ***Title:***  | MUSIM capabilities exchange while Emergency service is ongoing in 5GS |
|  |  |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | MUSIM |  | ***Date:*** | 2022-01-10 |
|  |  |  |  |  |
| ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | Stage-2 agreed CRs S2-2109310 and S2-2109311 clarified that, the network shall not indicate the support of MUSIM capabilities when the UE is performing Emergency Registration, regardless whether the UE has indicated the support of MUSIM capabilities or not, in order not to possibly interrupt the Emergency services. This requirement needs to be reflected into stage-3 spec.Also the same requirement should apply when the UE performs Mobility Registration procedure and at the same time the UE is registered for emergency services. |
|  |  |
| ***Summary of change:*** | Clarifying that:1- The network shall not indicate the support of MUSIM capabilities when the UE is performing Emergency Registration.2- The network shall not indicate the support of MUSIM capabilities when the UE performs Mobility Registration procedure and at the same time the UE is registered for emergency services. |
|  |  |
| ***Consequences if not approved:*** | The UE can wrongly use the MUSIM features even if it is in Emergency situation, leading to possible interruptions for Emergency services. |
|  |  |
| ***Clauses affected:*** | 5.5.1.2.1, 5.5.1.3.1 |
|  |  |
|  | **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 \*\*\*\*\*

##### 5.5.1.2.1 General

This procedure can be used by a UE for initial registration for 5GS services.

When the UE initiates the registration procedure for initial registration, the UE shall indicate "initial registration" in the 5GS registration type IE. When the UE initiates the registration procedure for emergency services, the UE shall indicate "emergency registration" in the 5GS registration type IE. When the UE initiates the initial registration for onboarding services in SNPN, the UE shall indicate "SNPN onboarding registration" in the 5GS registration type IE. When the UE initiates the initial registration procedure for disaster roaming services, the UE shall indicate "disaster roaming initial registration" in the 5GS registration type IE.

If the MUSIM capable UE initiates the registration procedure for initial registration and indicates "emergency registration" in the 5GS registration type IE in the REGISTRATION REQUEST message, the network shall not indicate the support of:

- the N1 NAS signalling connection release;

- the paging indication for voice services;

- the reject paging request; or

- the paging restriction;

in the REGISTRATION ACCEPT message.

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

##### 5.5.1.3.1 General

This procedure is used by a UE for both mobility and periodic registration update of 5GS services. This procedure, when used for periodic registration update of 5GS services, is performed only in 3GPP access.

This procedure used for periodic registration update of 5GS services is controlled in the UE by timer T3512. When timer T3512 expires, the registration procedure for mobility and periodic registration area updating is started. Start and reset of timer T3512 is described in subclause 10.2.

If the MUSIM capable UE is registered for emergency services and initiates a registration procedure for mobility and periodic registration update, the network shall not indicate the support of:

- the NAS signalling connection release;

- the paging indication for voice services;

- the reject paging request; or

- the paging restriction;

in the REGISTRATION ACCEPT message.

\*\*\*\*\* End of changes \*\*\*\*\*