**3GPP TSG-SA1 Meeting #94e *S1-211201***

**Electronic Meeting, 10 – 20 May 2021** *(revision of S1-21xxxx)*

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **22.261** | **CR** | **0527** | **rev** | - | **Current version:** | **17.6.0** |  |
|  | | | | | | | | |
| *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:*** | Clarification for Congestion Avoidance for MINT | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Samsung | | | | | | | | | |
| ***Source to TSG:*** | SA1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MINT | | | | |  | ***Date:*** | | | 30.04.21 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | MINT services are intended to serve to provide communication for those who need it urgently during a disaster situation. To reduce the possibility of congestion and to avoid the cost of disaster roaming as a service, the HPLMN operator may determine for particular UEs that they are not to attempt to use disaster roaming even when a disaster condition arises. | | | | | | | | |
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| ***Summary of change:*** | | A new requirement is added to clarify that HPLMN can control its UEs from using Disaster Inbound Roaming based on HPLMN policy. | | | | | | | | |
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| ***Consequences if not approved:*** | | MINT requirements are not clear about HPLMN control of UEs using Disaster Roaming. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.31.2.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

BEGIN CHANGE

#### 6.31.2.3 Disaster Roaming

The 3GPP system shall be able to provide means to enable a UE to access PLMNs in a forbidden PLMN list if a Disaster condition applies and no other PLMN is available except for PLMNs in the forbidden PLMN list.

The 3GPP system shall provide means to enable that a Disaster Condition applies to UEs of a specific PLMN.

The 3GPP system shall be able to provide a resource efficient means for a PLMN to indicate to potential Disaster Inbound Roamers whether they can access the PLMN or not.

Disaster Inbound Roamers shall perform network reselection when a Disaster Condition has ended.

The 3GPP system shall minimize congestion caused by Disaster Roaming.

The 5G system shall support a mechanism for the HPLMN to control whether a UE, with HPLMN subscription, should apply Disaster Roaming when a Disaster Condition arises (in the HPLMN or a VPLMN).

3GPP system shall be able to collect charging information for a Disaster Inbound Roamer with information about the applied disaster condition.

END CHANGE