**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 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)* |
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| ***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.  |
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| ***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