**3GPP TSG- Meeting #bis *R2-22xxxxx***

**, 2022-10-10 – 2022-10-19**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **36.331** | **CR** | **4878** | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *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 | **X** | Core Network |  |

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| ***Title:*** | Correction to disasterRoamingFromAnyPLMN [MINT] | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson, Lenovo | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17 | | | | |  | ***Date:*** | | | 2022-09-29 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | |  |
|  | *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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | In the LS C1-225386, CT1 indicated that the RAN2-description of the so called “single bit-approach” for MINT, which in NR RRC is indicated with the value “disasterRoamingFromAnyPLMN”, is not aligned with the CT1 description of this indication. CT1 asks RAN2 to consider replacing description of disasterRoamingFromAnyPLMN in TS 36.331 with a reference to the definition of the "disaster related indication" in TS 23.122 section 4.4.3.1.1, as shown here for reference:  5) an NG-RAN cell of the PLMN or of a shared network where the PLMN is available:  A) broadcasts the disaster related indication for the PLMN. The disaster related indication broadcasted by the NG-RAN cell for the PLMN indicates that the PLMN is accessible for disaster inbound roamers, that this PLMN accepts disaster inbound roamers from any PLMN(s) other than the PLMN(s) available on the NG-RAN cell, and that a disaster condition applies to all PLMN(s) other than the PLMN(s) available on the NG-RAN cell in the location of the broadcast. If the disaster related indication is broadcasted, the disaster inbound roamers attempt to determine the MS determined PLMN with disaster condition as per bullet q2); or | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Change the description of disasterRoamingFromAnyPLMN so it refers to TS 23.122. Also changing the name of this indication to be aligned with the CT1-term for this indication, namely "disasterRelatedIndication".  **Impact Analysis**  Impacted 5G architecture options: LTE SA, (NG)EN-DC  Impacted functionality:  MINT  Inter-operability:  No inter-operability issues are foreseen. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The RAN2 definition of the “single bit-approach” is not aligned with CT1 definition which may lead to inconsistent UE behaviour with regards to disaster roaming. | | | | | | | | |
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| ***Clauses affected:*** | | 6.3.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Rev 1: Minor polishing. | | | | | | | | |

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### 6.3.1 System information blocks

[Omitted unchanged parts]

#### – *SystemInformationBlockType30*

The IE *SystemInformationBlockType30* contains configurations of disaster roaming information.

*SystemInformationBlockType30* information element

-- ASN1START

SystemInformationBlockType30-r17 ::= SEQUENCE {

commonPLMNsWithDisasterCondition-r17 SEQUENCE (SIZE (1..maxPLMN-r11)) OF PLMN-Identity OPTIONAL, -- Need OR

applicableDisasterInfoList-r17 SEQUENCE (SIZE (1..maxPLMN-r11)) OF ApplicableDisasterInfo-r17 OPTIONAL, -- Need OR

lateNonCriticalExtension OCTET STRING OPTIONAL,

...

}

ApplicableDisasterInfo-r17 ::= CHOICE {

noDisasterRoaming-r17 NULL,

disasterRelatedIndication-r17 NULL,

commonPLMNs-r17 NULL,

dedicatedPLMNs-r17 SEQUENCE (SIZE (1..maxPLMN-r11)) OF PLMN-Identity

}

-- ASN1STOP

| ***SystemInformationBlockType30* field descriptions** |
| --- |
| ***commonPLMNsWithDisasterCondition***  A list of PLMN(s) for which disaster condition applies and that disaster inbound roaming is accepted, which can be commonly applicable to the PLMNs sharing the cell. |
| ***applicableDisasterInfoList***  A list indicating the applicable disaster roaming information for the networks indicated by *plmn-IdentityList-r15* in *CellAccessRelatedInfo-5GC-r15*. The first entry in this list indicates the disaster roaming information applicable for the network(s) in the first entry of *plmn-IdentityList*, the second entry in this list indicates the disaster roaming information applicable for the network(s) in the second entry on *plmn-IdentityList*, and so on. Each entry in this list can either be having the value *noDisasterRoaming*, *disasterRelatedIndication*, *commonPLMNs*, or *dedicatedPLMNs*. If an entry in this list takes the value *noDisasterRoaming*, disaster inbound roaming is not allowed in this network(s). If an entry in this list takes the value *disasterRelatedIndication*, the meaning of this field for this network(s) is as specified for "disaster related indication" in TS 23.122 [11], subclause 4.4.3.1.1. If an entry in this list takes the value *commonPLMNs*, the PLMN(s) with disaster conditions indicated in the field *commonPLMNsWithDisasterCondition* apply for this network(s). If an entry in this list contains the value *dedicatedPLMNs*, the listed PLMN(s) are the PLMN(s) with disaster conditions that the network(s) corresponding to this entry accepts disaster inbound roamers from. |