3GPP TSG SA WG 3 Meeting SA3#103e TDoc draft\_S3-211523-r2

Electronic meeting, Online, 17 - 28 May 2021

**Title: Reply LS to LS on broadcasting from other PLMN in case of Disaster Condition**

**Response to: LS C1-211189 on LS on broadcasting from other PLMN in case of Disaster Condition from CT1**

**Release: Rel-17**

**Work Item: FS\_MINT-CT**

**Source:** **SA3**

**To: CT1**

**Cc: RAN2**

**Contact person: Dongjoo Kim**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

**Attachments:** **None**

# 1 Overall description

SA3 thanks CT1 for the LS (C1-211189/ S3-211372) on FS\_MINT-CT being studied in TR 24.811.

For the questions in this LS, SA3 believes there may be a few possible attack scenarios of DoS attack for UE when utilising such broadcast information from other PLMNs including following examples:

* A false base station may impersonates PLMN with disaster condition or replay previously captured broadcast messages.
* A VPLMN may falsely generate broadcast message indicating other PLMN is broken and send it to the air.
* A false base station indicates to the UE about the supporting of disaster roaming for disaster condition due to some attacks, for example, tempering, replaying, relay etc.

SA3 assumes the worst result of the above security attacks is that MINT feature is disabled at all. If authentication and security setup procedures are performed as required, there are no additional security risks in the disaster roaming scenario after network selection. SA3 recommends to use the trusted information (eg. configuration) for roaming network selection in the disaster scenario.

# 2 Actions

**To CT1**

**ACTION:** SA3 kindly asks CT1 to take the above reply into consideration for their subsequent works.

# 3 Dates of next TSG SA WG 3 meetings

SA3#103bis-e 5 - 9 July 2021 Electronic meeting

SA3#104e 16 - 27 August 2021 Electronic meeting