**3GPP TSG-SA Meeting #104 *SP-240945***

**Shanghai, China, 18 – 21 June 2024** (Revision of SP-240578)

**Title: draft-** **Reply LS on the stage 2 aspects of MINT\_Ph2**

**Response to: LS on the stage 2 aspects of MINT\_Ph2 (SP-240538 / C1-242675)**

**Release: Rel-19**

**Work Item: MINT\_Ph2**

**Source: TSG SA**

**To: CT1, SA1**

**Cc: SA2, TSG CT, CT4**

**Contact person: Biao Long**

**E-mail Address: longbiao@chinatelecom.cn**

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

**Attachments:**

# 1 Overall description

TSG SA thanks CT1 for the LS (SP-240538 / C1-242675) on the stage 2 aspects of MINT\_Ph2.

TSG SA has considered the input from SA2 (SP-240558 / S2-2407313) and discussed the matter in their SA#104 meeting.

TSG SA kindly asks CT1 to perform a study for MINT\_Ph2\_EPS. The context of the proposed scope differs compared to the Rel-17 MINT study in overall system aspects in that 4G/EPS is now the target system.

Disaster roaming in case of 5G RAN failure between 5GS and EPS is in the scope for this study. SA believes that the scope needs to be limited to 4G/EPS only without CS domain.

The study scope needs to take into account the architectural relationship between the 5GS and EPS networks, including EPS interworking with 5GS as defined in TS 23.501. The study also needs to consider how to prevent signalling overload when UEs perform Disaster roaming to EPS and when UEs return to 5GS.

Specifically in the following SA1 requirement:

*Subject to regulatory requirements, operator's policy or UE capabilities, the 3GPP system shall be able to support a UE, with 5G-only national roaming access to a VPLMN,* ***to obtain 4G connectivity service****(e.g.* ***voice call,****mobile data service)* ***from that VPLMN****in the area where a Disaster Condition applies*

It needs to be clarified that the UE still receives service from IMS in HPLMN and only connectivity from VPLMN.

Before concluding the study , CT1 should consult SA2 on the architectural impacts and consult SA for final decision on how to proceed with normative work. Based on Rel-17 MINT work, SA believes there will be architectural impacts that are under SA2 specifications scope.

# 2 Actions

**To CT1**

**ACTION:** TSG SA kindly asks CT1 to take the information above into account.

**To SA1**

**ACTION:** TSG SA kindly asks SA1 to clarify the requirement according to the information above.

# 3 Dates of next TSG SA meetings

SA#105 September 10th – 13th 2024 Melbourne, AU

SA#106 December 10th – 13th 2024 Madrid, ES