**3GPP TSG-SA3 Meeting #103-e *draft r1 S3-211751***

e-meeting, 17 - 28 May 2021

**Title:** **[Draft] Reply-LS on integrity protection between the UE and the HPLMN of additional fields in SOR transparent container carrying SOR acknowledgement**

**Response to: LS S3-211440/C1-212523 on integrity protection between the UE and the HPLMN of additional fields in SOR transparent container carrying SOR acknowledgement from CT1**

**Release: Rel-17**

**Work Item: eCPSOR\_CON**

**Source:** **Ericsson, to be SA3**

**To:** **CT1**

**Cc:**

**Contact person: Christine Jost**

**christine.jost@ericsson.com**

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

**Attachments:** none

# 1 Overall description

SA3 would like to thank CT1 for the LS S3-211440/C1-212523 on integrity protection between the UE and the HPLMN of additional fields in SOR transparent container carrying SOR acknowledgement.

Regarding the actions requested by CT1, SA3 would like to provide the following answers:

**Action requested by CT1:**

- whether the "ME support of SOR-CMCI" indicator in the SOR header of the SOR transparent container carrying the UE acknowledgement, needs to be integrity protected between the UE and the HPLMN;

**SA3 response:**

No, the SOR header does not need to be integrity protected as the error conditions discussed in S3-211440 will result in alternative networks being selected anyway. An existing 5G ME set to expect an SOR will reject an authentication with the SOR missing and a ME with no support for SOR with either ignore it or reject the authentication and select another network.

**Action requested by CT1:**

- if deemed necessary, to specify a backward compatible mechanism enabling integrity protection between the UE and the HPLMN of:

- the SOR header of the SOR transparent container carrying the SOR acknowledgement; and

- fields, if any, placed after the SOR-MAC-Iue in the SOR transparent container carrying the SOR acknowledgement.

**SA3 response:**

No Backward compatible mechanism is needed.

# 2 Actions

**To CT1**

**ACTION:** SA3 kindly asks CT1 to take the above feedback into account.

# 3 Dates of next TSG SA WG 3 meetings

SA3#103Bis-e 5 - 9 July 2021 Electronic meeting (TBC)

SA3#104-e 16 - 27 August 2021 Electronic meeting