**3GPP TSG-SA3 Meeting #103-e *draft\_S3-211746-r1***

e-meeting, 17 - 28 May 2021

**Title: [DRAFT] Reply-LS on the Security consideration to support L2TP with CUPS**

**Response to: LS C4-210171/S3-211378 on the Security consideration to support L2TP with CUPS from CT4**

**Release: Rel-17**

**Work Item: BEst Practice of PFCP (BEPoP)**

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

**To: CT4**

**Cc: SA2, CT3**

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

**Attachments:** none

# 1 Overall description

SA3 thanks CT4 for the LS C4-210171/S3-211378 on the Security consideration to support L2TP with CUPS. SA3 would like to provide the following feedback:

For protection of the information transferred from the CP function to the UP function, a security mechanism shall be used.

According to TS 33.501, clause 9.9, and TS 33.401, clause 11, NDS/IP as specified in TS 33.210 is the existing security mechanism for the N4 interface and the Sxb interface. NDS/IP shall be used unless security is provided by other means, e.g. physical security.

The existing mechanism NDS/IP is sufficient to protect usernames and passwords on the N4 and Sxb interfaces, since it already provides confidentiality, integrity and replay protection.

Hence the first mechanism (i.e. Relying on the Network domain security) proposed by CT4 shall be used.

# 2 Actions

**To CT4**

**ACTION:** SA3 asks CT4 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