**3GPP TSG-SA3 Meeting #103-e *draft\_S3-212048-r3***

e-meeting, 17 - 28 May 2021

**Title: Reply LS on IP address to GPSI translation**

**Response to: LS (S3-211392 / S2-2101307) on IP address to GPSI translation from SA2**

**Release: Rel-17**

**Work Item: FS\_eEDGE\_SEC (5.8)**

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

**To: SA2, SA6**

**Cc: SA1**

**Contact person: Ferhat Karakoc**

**ferhat dot karakoc at ericsson dot com**

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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 would like to thank SA2 for the LS reply on IP address to GPSI translation (S3-211392 / S2-2101307).

SA2 asked in their LS that

*A GPSI can be either an MSISDN or an External Identifier. The GPSI in either form is used for the same purposes in the 5G System. SA2 would like to understand whether there would be different privacy considerations on sending external identifier to an AF possibly depending on if the GPSI takes the form of an MSISDN or an External Identifier.*

*SA2 would also like to understand the following:*

1. *Are there privacy concerns (and do you see any difference) with exposing to an AF that may be external the GPSI in the form of MSISDN or the GPSI in the form of External Identifier?*

SA3 would like to inform SA2 and SA6 that SA3 sees some privacy issues with the usage of GPSI in the form of MSISDN.

SA2 also asked the following follow-up questions:

*If the GPSI in either form does not meet the privacy requirements:*

1. *Should a new exposed subscription identifier be permanent or temporary? If such new exposed subscription identifier is temporary, what is its temporal validity? SA2 assumes that it is then up to the 5GC operator (e.g. NEF) to define this validity.*

SA3 has not yet concluded that the use of a temporary identifiers justifies the gain. SA2 is recommended to proceed with the use of permanent identifiers only at this stage for this feature. SA3 will inform SA2 if SA3 later concludes on the use of temporary identifiers and the desired properties of such temporary identifiers.

1. *Should such new exposed subscription identifier be “global” or per AF?*

SA3 agrees on that a mechanism to support “GPSI per AF” helps to prevent possible tracking of users among AFs.

SA3 would like to also inform SA2 and SA6 that SA3 considers that this LS reply also covers the issues raised in the Reply LSes (S3-211391 / S2-2009339) and (S3-211424 / S6-211082).

# 2 Actions

**To SA2, SA6**

**ACTION:** 3GPP SA3 kindly asks SA2 and SA6 to take the above 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