**3GPP TSG-SA Meeting #103 *SP-240443***

**Maastricht, The Netherlands, 19 – 22 March 2024**

**Title:** **DRAFT LS on the Modified PRINS solution**

**Response to: SP-230807 (5GMRR Doc 44\_11), S3-240208 (5GMRR Doc 45\_13r7), S3-240209 (5GMRR Doc 45\_14r7)**

**Release: Rel-18**

**Work Item: Roaming5G**

**Source:** **3GPP SA**

**To: GSMA 5GMRR**

**Cc: SA3, SA1, CT, CT4**

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**Attachments: SP-240466**

# 1 Overall description

3GPP TSG SA would like to thank GSMA 5GMRR for their collaboration on the topic of modified PRINS. 3GPP TSG SA would like to inform GSMA 5GMRR about the progress on modified PRINS across the different groups.

The solution for Modified PRINS functionality, as specified by SA3 group in TS 33.501 for Release 18, has been approved by 3GPP TSG SA to apply to deployments according to Release 16 and Release 17.

The attached CR has been approved for incorporating into TS 33.501 to reflect the applicability.

The protocol implementation as specified by CT4 group in TS 29.573 has also been approved and will be made applicable to the same releases.

These enable the desired functionality on N32 interconnect, i.e. intermediaries are able to be informed about errors on N32f, send errors themselves as well as originate applicative requests over N32f.

It is the understanding of 3GPP TSG SA that these modifications enable GSMA to endorse deployment of PRINS for interconnect scenarios, in which an intermediary, especially a Roaming Hub, is required.

Additionally, 3GPP TSG SA wants to provide, on behalf of SA3, the following answers to GSMA 5GMRR:

* Answer to Q 1 in 5GMRR Doc 45\_13r7:

Regarding the definition of Roaming Hub, SA3 has agreed a CR S3-240891 for TS 33.501 on the definition of Roaming Hub according to the LS S3-240208 received from GSMA.

* Answer to Q 2.b in 5GMRR Doc 45\_13r7:

Regarding the requirement related to the RH ability to prevent the establishment of, and to terminate the N32-c and N32-f connections, SA3 believes that the RH can request SEPP to terminate the N32-c and N32-f connections if necessary, as described in clause 5.5, TS 29.573, based on the error message received from the RH. If this is not sufficient, then SA3 believes that these requirements may have impacts on the architecture.

* Answer to Q 1 in 5GMRR Doc 45\_14r7:

Regarding the definition of IPX Service Hub and IPX Provider, SA3 finds that the definition of IPX Service Hub is unclear, and would like GSMA to clarify the definition of IPX Service Hub.

* Answer to Q 2.b in 5GMRR Doc 45\_14r7:

Regarding the requirement of IPX Service Hub to aggregate N32 signalling traffic and use common identities, SA3 would like GSMA to clarify what does the aggregation mean.

Finally, 3GPP TSG SA wants to remind GSMA 5GMRR that 3GPP is a contribution driven organization, being the interested 3GPP companies the ones that propose, contribute and consent requirements and/or solutions by participating in 3GPP relevant working groups and meetings; in this particular case, participation, contribution and consensus for any functionality intended for the Modified PRINS feature.

# 2 Actions

**To 5GMRR:**

**ACTION:** 3GPP TSG SA kindly asks GSMA 5GMRR to take the above into account to progress on their specification.

# 3 Dates of next TSG SA meetings

SA#104 June 17th – 21st 2024 Shanghai, CN

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