**3GPP TSG-SA3 Meeting #105-e *draft-S3-213806-r1***

e-meeting, 8 - 19 November 2021

**Title: draft-Reply LS on 5GS roaming hubbing**

**Response to: LS S3-213806 on 5GS roaming hubbing**

**Source: NTT DOCOMO (to be SA3)**

**To: 5GJA**

**Cc: CT4**

**Contact person: Alf Zugenmaier / NTT DOCOMO**

 **zugenmai@hm.edu**

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

# 1 Overall description

SA3 would like to thank 5GJA for their LS on 5GS roaming hubbing (S3-213806). SA3 understands that roaming hubs are an important part of the mobile ecosystem.

Regarding the LS, SA3 would like to make the following observations:

1. The deployment in Figure 1 of 5GJA's LS is not supported by 3GPP specifications, as there is no concept of SEPP chaining. If there is a requirement to control setup of N32c, the roaming hub may use a proxy allowing or disallowing the HTTP "connect" method, or use of a reverse proxy with SNI TLS-pass through. The roaming hub would take the role of "IPX" for N32f, and, by using PRINS, can be in control of N32, being able to audit all requests and responses going across the connection marked as "B".
It is unclear why 5GJA assumes that a roaming hub would have full visibility of all agreements, as the routing of these N32 connections would be configured to go via the proxy only for agreements involving the roaming hub.
2. In the case of operator group roaming hub, it is unclear why visibility of direct roaming relations would be undesirable if the purpose is for the group to centrally scrutinize the traffic.
3GPP doesn't require that only one SEPP is used inside a PLMN. During discovery, the NRF can steer a cNF towards the correct SEPP.

Furthermore, SA3 would like point out that 3GPP defined the PRINS protocol to fulfil the requirements requested by GSMA during specification of 5G. SA3 would like to request GSMA to clarify the requirements that come from the roaming hubbing use case after internally reconciliating these with the requirements that were originally presented to SA3 in those circumstances in which they are incompatible.

# 2 Actions

**To 5GJA**

**ACTION:** SA3 would like to ask 5GJA to take the above into consideration and provide requirements that come from the use case of roaming hubbing.

# 3 Dates of next TSG SA WG 3 meetings

SA3#106 7-11 February 2022 e-meeting

SA3#106-Bis 4 - 8 April 2022 TBD