**3GPP TSG-SA3 Meeting #108bis-e *S3-222908-r1***

e-meeting, 10 - 14 October 2022

**Title: draft LS on SNAAPP requirements clarifications**

**Response to:**

**Release: R18**

**Work Item: FS\_SNAAPPY**

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

**To:** **SA1, SA6**

**Cc: -**

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**Attachments:** -

# 1 Overall description

During discussion of the SA1 defined requirements for SNAAPP security, SA3 noticed that there were different interpretations possible. Therefore, SA3 would like to request clarifications.

TS 22.261 contains the following two requirements:

1. 1: *provide a third-party with secure access to APIs (e.g. triggered by an application that is visible to the 5G system), by authenticating and authorizing both the third-party and the UE using the third-party's service.*

2: *provide a UE with secure access to APIs (e.g. triggered by an application that is not visible to the 5G system), by authenticating and authorizing the UE.*

SA3 would like to request for clarification of requirement 1:

From security point of view, the third party may use any authorization that is given to any triggerer by a specific resource owner. Thus the requirement 1 seems to place some amount of trust into the third party.

**Q1a:** What is the purpose of requiring: *authenticating and authorizing both the third-party and the UE using the third-party's service?*

**Q1b:** What would be a use case for this requirement?

**Q1c:** Would the third party AF be considered trusted or not trusted in this use case?

**Q1d:** Does this requirement also include cases that one UE uses the third party's service to get access to resources from another UE? (Example: In the context of a (hiking) game one UE is receiving the location of another UE.)

SA3 would like to request for clarification of requirement 2:

**Q2a:** Could you please give an example in which a UE is provided with secure access to APIs, triggered by an application that is not visible to the 5G system?

**Q2b:** How would the 3GPP system allow access on application level if the applications are not visible to the 3GPP system?

**Q2c:** Would at least the UE be aware of which application is triggering the UE to access the API?

**Q2d:** Would this requirement also be relevant for a UE requesting resources of another UE?

SA3 would like to request for clarification that applies to both requirements:

1. It is not clear to SA3 whether the "application" in the requirements 1 and 2 indicate an application on the UE or an application on the third party AF. According to Figure 4.1.1-1 and Figure 4.2.1-1 in TR 23.700-95, "Application" resides on the UE.
2. In case of Figure 4.1.1-1, the "Application" seems to be visible to the 5G system, as opposed to the relevant requirement's description, "triggered by an application that is not visible to the 5G system".
3. On the other hand, in case of Figure 4.2.1-1, the "Application" seems to be invisible to the 5G system, as opposed to the relevant requirement's description, "triggered by an application that is visible to the 5G system".
4. Q3a: What does the "application" in the two requirements indicate? Is it an application on the UE or an application on the third party AF?

Q3b: What is the meaning of "application that is visible to the 5G system"? Does this mean that the application has a direct communication with an entity of the 5G system, or any other meaning?

# 2 Actions

**To SA1**

**ACTION: SA3 would kindly request SA1 to clarify the above questions.**

**To SA6**

**ACTION: SA3 would kindly request SA6 to point out their interpretation of requirement 1 and 2 in their use cases.**

# 3 Dates of next TSG SA WG 3 meetings

SA3#109 14 - 18 November 2022 Toulouse :)

SA3#109-AdHoc 16 – 20 January 2022 TBD