**3GPP TSG-SA3 Meeting #107-e *draft\_S3-220732-r1***

**e-meeting, 16 - 20 May 2022**

**Source: Nokia, Nokia Shanghai Bell**

**Title: New sol. for KI7 on authorization mechanism negotiation using OAuthRequired attribute during discovery**

**Document for: Approval**

**Agenda Item: 5.4**

# 1 Decision/action requested

***New solution on KI#7.***

# 2 References

[1] 3GPP TS 33.875

# 3 Rationale

*New solution on KI#7*

# 4 Detailed proposal

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* START OF CHANGES*

## 6.X Solution #X: Authorization mechanism negotiation using OAuthRequired attribute during discovery

### 6.X.1 Introduction

This solution addresses Key Issue #7 "Authorization mechanism negotiation". It provides a mechanism to handle the case that one operator uses token-based authorization, and its roaming partner uses static authorization.

### 6.X.2 Solution details

hPLMN decides on the authorization method and indicates the selected authorization method during discovery by setting the "OAuthRequired" attribute to true, i.e. OAuth2.0 is requested, or false, i.e. static authorization will be used. If the vPLMN is only able to support the other one, services cannot be provided.

NOTE: Support of OAuth2.0 is mandatory, even if not in use. Thus, the attribute "OAuthRequired" is available for discovery.

### 6.X.2 Evaluation

This solution allows authorization mechanism negotiation during discovery by using the "OAuthRequired" attribute. This solution can be applied without changes to 33.501.

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* END OF CHANGES*