**3GPP TSG-SA3 Meeting #105-e *S3-213928***

e-meeting, 8 - 19 November 2021

**Source: CableLabs**

**Title: Update Nnssaaf\_AIW interface**

**Document for: Approval**

**Agenda Item: 4.17**

# 1 Decision/action requested

***It is proposed to approve the changes to be included in the draft-CR for eNPN***

# 2 References

# 3 Rationale

This contribution updates Nnssaaf\_AIW to support AVP container so that the interface is extensible.

# 4 Detailed proposal

\*\*\*\*\*FIRST CHANGE\*\*\*\*\*

14.4.X Nnssaaf\_AIW services

14.4.X.1 General

The following table illustrates the security related services provided by the NSSAAF for primary authentication in SNPN with Credentials holder using AAA server (see section I.2.2.z).

**Table 14.4.X.1-1: NF services for CH using AAA for primary authentication provided by NSSAAF**

|  |  |  |  |
| --- | --- | --- | --- |
| **Service Name** | **Service Operations** | **Operation Semantics** | **Example Consumer(s)** |
| Nnssaaf\_AIW | Authenticate | Request/Response | AUSF |

14.4.X.2 Nnssaaf\_AIW\_Authenticate service operation

**Service operation name:** Nnssaaf\_AIW\_Authenticate

**Description:** The NSSAAF provides Authentication and Authorization service to the consumer NF by relaying EAP or EAP-TTLS inner method messages towards a AAA Server and performing related protocol conversion as needed.

**Input, Required:**

1) In EAP Authentication:

a) In the initial authentication request: SUPI.

b) In subsequent authentication requests: EAP message.

2) In case EAP-TTLS mechanisms are implemented: inner method container.

**Input, Optional:** None

**Output, Required:**

1) In EAP authentication: EAP message, authentication result and if success MSK.

2) In case EAP-TTLS mechanisms are implemented: inner method container.

**Output, Optional:** None

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