**3GPP TSG-SA3 Meeting #108e *draft\_S3-221861-r1***

**e-meeting, 22 - 26 August 2022**

**Source: Nokia, Nokia Shanghai Bell**

**Title: Key issue 6 – EN resolution in KI threat**

**Document for: Approval**

**Agenda Item: 5.24**

# 1 Decision/action requested

***EN resolution in KI#6 threat part.***

# 2 References

[1] 3GPP TR 33.875

# 3 Rationale

In general, the concept of access token is already in place. No new threats need to be listed. However, as a remark, keeping track of an access token used by different NFs of the same NF set could become more burden on an operational level, if access control and usage policies are not carefully designed.

A remark along those lines is added for resolution of the EN:

Editor's Note: possibly threats resulting of the usage of the same access token by different NFs of the same NF set can be captured here.

In addition, a requirement is added:

If an access token provided for all NFs of the same NF set is used, its usage shall be limited to this specific NF set.

# 4 Detailed proposal

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

*\*\* KI#6: Access token usage by all NFs of an NF set*

### 5.6.2 Security threats

In general, the concept of access token is already in place. No new threats need to be listed.

*\*\*\*\*\*\*\*\*\*\* NEXT CHANGE*

### 5.6.3 Potential security requirements

All NF Service Consumers of an NF Set shall be authorized to use the access token requested by one NF Instance of the NF Set, if the access token is issued for NF Set.

The 5GS may provide means to authorize a NF Service Consumer of the NF Set to request and/or use an access token requested by another NF Service Consumer of the same NF Set.

If an access token provided for all NFs of the same NF Set is used, its usage shall be limited to this specific NF Set.

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