**3GPP TSG-SA5 Meeting #158 S5-246963**

**Orlando, USA, 18 - 22 November 2024**

**Source: Ericsson**

**Title: New solution for topic 2**

**Document for: Approval**

**Agenda Item: 7.5.2**

# 1 Decision/action requested

***The group is asked to discuss and approve the proposal.***

# 2 References

[1] 3GPP TS 28.849 Study on charging Aspects for Common API Framework (CAPIF) phase2

# 3 Rationale

New solution for topic 2 reusing Exposure function Northbound Application Program Interfaces (APIs) charging.

# 4 Detailed proposal

This document proposes the following changes in TR 28.849 [1].

|  |
| --- |
| **First change** |

6.1.5.5 Solution #2.x: Use of Exposure function Northbound Application Program Interfaces (APIs) charging

6.1.5.5.1 General description

This solution covers key issue #2.1, and requirement REQ-CH\_CAPIF\_NEF-01. It reuses the current exposure function northbound APIs charging, TS 32.254 [3], with some adaptations and extensions.

6.1.5.5.2 Architecture description

For architecture see TS 32.254 [3] clause 4.4 where NEF is replaced by CAPIF Core Function (CCF) and the NEF/SCEF are considered API Providers.

6.1.5.5.3 Procedures description

For flows see TS 32.254 [3] clause 5.4.2 where NEF is replaced by CCF.

For the API Provider charging the following is required:

- API Provider would be considered the tenant, i.e. the API Provider Id would be stored in the Tenant Identifier

- New triggers for service API publish, unpublish, retrieve, update

- The API Target Network Function would be CCF

For the API Invoker charging the following is required:

- API Invoker would be considered the tenant, i.e. the API Invoker id would be stored in the Tenant Identifier

- New triggers for onboarding and offboarding

- The API Target Network Function would be CCF

|  |
| --- |
| **End of change** |