3GPP TSG SA WG5 Meeting #158 S5-246961

Orlando, Florida, USA 18 - 22 November 2024

**Source: Huawei, Ericsson, Nokia**

**Title: Evaluation and conclusion for CAPIF charging topic 1**

**Document for: Approval**

**Agenda Item: 7.5.2**

# 1 Discussion

***This is a pCR to add the evaluation and conclusion for CAPIF charging in TR 28.849.***

# 2 References

[1] 3GPP TR 28.849: "Study on charging aspects of Common API Framework for Northbound APIs (CAPIF) phase 2".

# 3 Rationale

This pCR proposes to introduce the evaluation and conclusion for CAPIF charging topic 1, API management and operation charging.

# 4 Detailed proposal

Propose to incorporate the following change into the TR 28.849 [1].

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| **First change** |

#### 6.1.5.5 Solution #1.5: Use of Exposure function Northbound Application Program Interfaces (APIs) charging

6.1.5.5.1 General description

This solution #1.5 covers key issues #1.1 and #1.2, and requirements REQ-3GPPCH-APIM-01,REQ-3GPPCH-IVKM-01, and REQ-3GPPCH-IVKO-01. It reuses the current exposure function northbound APIs charging, TS 32.254 [3], with some adaptations and extensions.

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| **Next change** |

### 6.1.6 Evaluation

#### 6.1.6.1 Solutions evaluation for Key issue #1.1

Solution #1.1 provides the capability to support Charging of the CAPIF Service APIs, by using the current NEF Charging architecture.

Solution #1.2 provides the CAPIF Core Function (CCF) capability to support CAPIF Service APIs discovery request and notification charging via CAPIF.

Solution #1.4 provides the CAPIF Core Function (CCF) capability to support CAPIF Service APIs publish, unpublish, retrieve and update charging, which is supplement to solution #1.2.

Solution #1.5 provides the capability to support charging of APIs service Operation and Management, by using the current NEF charging architecture and information.

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| **Next change** |

#### 6.1.6.2 Solutions evaluation for Key issue #1.2

Solution #1.3 provides the CAPIF Core Function (CCF) capability to support API invoker onboard/offboard charging via the CAPIF, which is supplement to solution #1.2.

Solution #1.5 provides the capability to support charging of API invoker management, by using the current NEF charging architecture and information.

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| **End of change** |