**3GPP TSG-WG SA2 Meeting #162 *S2-2405167***

**Changsha, China, April 15- April 19, 2024**

**Source: China Mobile, Vodafone, SK Telecom, Deutsche Telekom, Nokia, Nokia Shanghai Bell,**

**Title: Evaluation and Conclusion for KI#1**

**Document for: Approval**

**Agenda Item: 19.11**

**Work Item / Release: FS\_UPEAS\_Ph2 / Rel-19**

*Abstract: Propose Evaluation/Conclusion for KI#1.*

# 1. Discussion

This proposal proposes the evaluation and conclusion for KI#1 as baseline for normative work.

# 2. Proposal

It is proposed to capture the following changes in TR 23.700-63.

*FIRST CHANGE*

# 8 Conclusions

## 8.X Interim Conclusion for Key Issue #1: Selection of UPF providing a selected user plane functionality

The following aspects are concluded as principles for normative work:

- Reusing procedures in clause 4.17.1 and clause 4.17.2 of TS 23.502 [3] to support registering the extended UPF functionalities in NRF.

- The following UPF functionalities are added in UPF profile stored in NRF:

- The functionality of NAT information exposure;

- Packet Inspection functionality (to differentiate between IP or MAC filter based packet detection, and the packet detection based on other means, e.g. layer 7 DPI);

- Defining a generic and operator configurable parameter in the N4 capabilities and UPF NF profile which can be used for non-standard or partially supported features and configured by operator to extend the baseline UPF capabilities. The format of the parameter is to be determined by stage 3.

- for example, the operator may configure this parameter to represent customized configuration (e.g, hardware accelerators for example GPU, DPU etc.)

Editor’s NOTE: It is FFS whether the SMF selection logic of UPF can be based on the required or desired functionalities. \* \* \* \* End of changes \* \* \* \*