**3GPP TSG-SA WG6 Meeting #45-e meeting S6-211896**

**25th Aug – 03rd Sep 2021, Online**

**Source: Intel, Nokia, Nokia Shanghai Bell**

**Title: FS\_eEDGEAPP: New Key Issue on EAS and MEC Application alignment**

**Spec: 3GPP TR 23.700-98**

**Agenda item: 10.8**

**Document for: Approval**

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# 1 Introduction

As specified in TS 23.558 (Rel-17), the relationship between EDGEAPP architecture and ETSI MEC architecture has been discussed. While the TS indicates that there are similarities between the two architectures, it does not provide the details how the two architectures can co-exist, and how an application can call the APIs specific to the two architectures. The requirements related to multivendor environment also have not been discussed in the TS document.

To address the alignment aspects between the two architectures, this pCR proposes to add new key issue to study how the two architectures can coexist and an application can call the APIs specific to the two platforms.

# 2 Discussion

As discussed in the Annex C or TS 23.558, the two architectures (EDGEAPP and ETSI MEC) and their respective APIs must be aligned together. As part of the alignment of the two architecture, it is expected that they can coexist and interoperate seamlessly in a single/multiple deployment environment. To achieve this, an application should be able to register and/or access the platform APIs seamlessly. While EDGEAPP defines EDGE-3 interface to access APIs, ETSI MEC has its own Mp1 interface for the same purpose. This KI also needs to provide recommendations about the alignment aspects of these APIs and whether & how the CAPIF framework can be used for the purpose.

# 3 Proposal

It is proposed to modify the text of TR 23.700-98 as follows.

*1st CHANGE*

4.x Key issue #x: Alignment of EAS and MEC Application

As described in Annex C of TS 23.558 (Rel-17), both EDGEAPP and ETSI MEC can provide support for hosting different edge applications. The alignment between two architectures should allow capability exposure and discovery across the two platforms. According to Annex B.2 of draft GS MEC 003 (v3.0.4), the EES and MEC platform can also be collocated in an implementation. . This KI addresses the issues of:

1. Study and analyse different deployment options of EDGEAPP and ETSI MEC platforms.
2. Functional and gap analysis between EDGEAPP and ETSI MEC for features, APIs, and data models.
3. Recommendation and enhancements based upon the outcome of (i) and (ii).

*END OF CHANGES*