**3GPP TSG-SA WG6 Meeting #45-e meeting S6-21xxxx**

**25th Aug – 03rd Sep 2021, Online**

**Source: Intel**

**Title: FS\_eEDGEAPP: New Key Issue – EDGEAPP and ETSI MEC alignment**

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

**Agenda item: xx**

**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

For the co-existence of EDGEAPP and ETSI MEC in a single deployment environment, it is essential to address the issues related to:

* how to register one application both as EAS and MEC Application? This is important to reduce the development effort and improve interoperability of the applications between the two architectures.
* how the registered application (either as EAS or as MEC app) can access the APIs from EES or MEC platform or both? This requires studying whether the CAPIF can be used to expose ETSI MEC APIs or there is an additional requirement to align the APIs from the two architectures.
* how an EES can communicate with MEC platform either within same EDN or different EDN? This is important for a seamless multivendor deployment and to handle federation, relocation etc. in such a deployment scenario.
* whether and how to ensure that MEC Application can connect with 3GPP Core?

# 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 EDGEAPP and ETSI MEC

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, so that they can coexist in one deployment environment, require several open issues to be addressed:

* how to ensure that an application can be registered as EAS or MEC Application with no or minimum changes in the application?
* how a registered application (either as EAS or MEC Application) can access the APIs from EES or MEC Platform or both?
* how EES can communicate with MEC platform either within same EDN or different EDN? This may be required in single or multivendor deployments to support federation, context relocation etc. between EES and MEC platform.
* whether and how to ensure that MEC Application can connect with 3GPP Core?

*END OF CHANGES*