**3GPP TSG-WG SA2 Meeting #160-Ad Hoc e-meeting S2-2400089r04**

**Elbonia, 22th – 29th Jan 2024**

**Source: China Mobile, ETRI**

**Title: Key issue on** **direct subscription of UPF event exposure service**

**Document for: Approval**

**Agenda Item: 19.11**

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

*Abstract of the contribution: This paper introduces a key issue for direct subscription of UPF event exposure service to the TR 23.700-63.*

# 1 Discussion

The FS\_ UPEAS\_Ph2 SID objectives:

WT#2: Study whether there are any potential enhancements on the UPF event exposure service that would optimize the procedures related to UPF data collection, e.g. direct/indirect subscription of the UPF via control plane from application.

# 2 Proposal

It is proposed to add the following key issue to TR 23.700-63 FS\_UPEAS\_Ph2.

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*FIRST CHANGE “all the text are new”*

## 5.X Key Issue #X: Direct subscription of UPF event exposure service

### 5.X.1 Description

UPF Event Exposure service is supported in 5GS since Rel-17 and enhanced in Rel-18. In Release 19, further study is needed on whether and how to optimize the procedures related to UPF information exposure including to support direct subscription of the UPF event exposure service.

The key issue is to identify use cases for potential enhancements on subscription of UPF event exposure service and for each use case determine whether and how the consumer can directly contact the UPF for its subscription.

The following aspects should be studied to support UPF event exposure service(s):

- Identify the specific use case and scenarios to support the potential enhancement on UPF direct subscription;

- Whether and how the consumer NF can directly contact the UPF for its subscription;

- How to authorize the consumer NF for direct subscribing to UPF event exposure service(s), and how to update/release the subscription;

- How to support the UPF relocation when some NFs have subscribed the direct subscription of UPF information.- Which Event ID(s) can be subscribed/requested directly via UPF;

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NOTE: Any enhancements need to be justified by analysing the benefits vs. drawbacks compared to existing mechanisms.

*End of CHANGE*