**3GPP TSG-WG SA2 Meeting #160-Ad Hoc e-meeting S2-2400089r13**

**Elbonia, 22th – 29th Jan 2024**

**Source: China Mobile, ETRI, ZTE**

**Title: Key issue on** **enhancements to 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.

#

*FIRST CHANGE “all the text are new”*

## 5.X Key Issue #X: Enhancements on UPF information exposure

### 5.X.1 Description

UPF Event Exposure service is supported in 5GS since Rel-17 and enhanced in Rel-18. Rel-18 UPEAS has defined mechanisms for both direct and indirect subscription to the UPF Event Exposure Service. In Release 19, further study is proposed on whether and how to enhance UPF information exposure, including the direct or indirect subscription to the UPF event exposure service.

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

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

- Identify the specific use case and scenarios that require optimizing the procedures related to UPF data collection with enhancements on UPF direct or indirect subscription;

- Whether and how the consumer NF can directly or indirect 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 or indirect subscription of UPF information.

- Which Event ID(s) can be subscribed/requested directly or indirectly to the UPF exposure service;

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

*End of CHANGE*