**3GPP TSG-SA WG6 Meeting #49- e S6-221377**

**e-meeting, 16th – 25th May 2022 (revision of S6-221074)**

**Source: China Mobile, Huawei, Hisilicon**

**Title: new KI on Support for load control for VAL applications**

**Spec: 3GPP TR 23.700-34**

**Agenda item: 9.10**

**Document for: Approval**

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**1. Introduction**

This contribution proposes a new key issue on support for load control for VAL applications.

**2. Reason for Change**

In EDN scenario, most VAL applications are multiple instances deployed, and VAL apps have different load limit，more functions that belong to SEALDD server can be discussed to offer better service to VAL applications

**3. Conclusions**

<Conclusion part (optional)>

**4. Proposal**

It is proposed to agree the following changes to 3GPP TR 23.700-98

\* \* \* First Change \* \* \* \*

## 4.21 Key issue #x: Support for Load control for VAL

Most VAL applications have multiple instances deployed, and different instances have different network addresses. The users requesting for the same VAL service should be allocated or relocated to different VAL servers in the same data network for load balancing. The VAL application can also require the user to be unaware of the instances due to security or service continuity concerns. Different VAL application instance may have different load limit due to the server’s capability (e.g. maximum downloading traffic bandwidth), or the VAL application has different access control requirements for different users (e.g. The VAL server may decide to preferentially serve some specific users when approaching the load limit). Associated SEALDD server is responsible of transmitting all the traffic from or towards the VAL server. And SEALDD enabler layer can monitor the packets transmitted via the SEALDD connection and is aware of the transmitting status of the specific VAL traffic. For VAL servers that do not have the capability of load balancing or load control, SEALDD can provide the data delivery related load control services among the VAL servers subscribing to the same SEALDD server. Based on the above requirements, the following coordination aspects can be studied for this Key Issue:

- How to enable the load balancing for VAL servers of a VAL application?

- How to enable a specific VAL server for load control?

NOTE: Solutions for this KI should focus on the data delivery related enhancements in SEALDD.