**3GPP TSG-SA3 Meeting #110Ad-Hoc-e *S3-231893r2***

**Electronic meeting, Online, 17 - 21 April 2023**

**Source:**  **Huawei, HiSilicon**

**Title:** **new solution to KI#1**

**Document for: Approval**

**Agenda Item: 5.18**

# 1 Decision/action requested

***It is proposed to approve the change described in this document.***

# 2 References

[1]

# 3 Rationale

This contribution proposes a soluton to address KI#1.

# 4 Detailed proposal

pCR

\*\*\* BEGINNING OF CHANGES \*\*\*

## 6.Y Solution #Y: Application identification

### 6.Y.1 Introduction

This solution proposes additional identification information in URSP to allow a UE to uniquely identify an application.

### 6.Y.2 Solution details

The application descriptor, i.e the application identity, defined in TS 23.503 [2] consists of the OSId and the OSAppId. They are supposed to identify the UE's operating system (OS) and the application running on the OS respectively. Since this application descriptor is not sufficient to uniquely identify the traffic of the application, it is proposed in this solution an additional parameter for identification, i.e. the App Store where the application is installed. An application that is published in an App Store can be identified uniquely by the App Store. The App Store procedures can ensure integrity protection.

The URSP rule delivery procedure is kept as is, except that the App Store name is included as part of the application descriptor.

NOTE: Whether to include the App Store name can be decided by the operator.

### 6.Y.3 Evaluation

The solution allows the URSP and UE to identify an application traffic uniquely.

The UE and the PCF need to be able to identify the application store and the UE needs to be able to identify from where and how the application got installed on the UE.

This addresses the KI #1 with mininmum changes to the specification and implementation.

 \*\*\* END OF CHANGES \*\*\*