**3GPP TSG-SA3 Meeting #103-e *S3-211517-r1***

**e-meeting, 17 – 28 May 2021** Revision of S3-20xxxx

**Source: Nokia, Nokia Shanghai Bell**

**Title: pCR – Introduction for 5G NSWO TR**

**Document for: Approval**

**Agenda Item: 5.22**

# 1 Decision/action requested

***Approve this contribution to add text in the Introduction for 5G NSWO TR***

# 2 References

[1] SP-210262

# 3 Rationale

The SID for NSWO-5G has been approved in SA#91-e in SP\_210262. The contribution adds text in the Introduction caluse for 5G NSWO TR.

# 4 Detailed proposal

pCR

\*\*\* BEGINNING OF CHANGES (all text new) \*\*\*

# Introduction

Editor’s Note: The text in this clause is not agreed, needs further alignment with feature description and background.This document aims to study the security procedures necessary to support NSWO in 5GS maintaining security and privacy of users and 5GS network nodes.

In 4G, specifications allow Non-seamless WLAN Offload (NSWO), i.e. allow a UE to connect to a WLAN access network using SIM based access authentication via the mobile network core (as specified in TS 23.402 and in TS 33.402) and to offload selected traffic to the WLAN. This is a deployed feature in 4G networks and enables 4G UEs to connect e.g. to a Wi-Fi venue like a hotel or stadium using SIM based access authentication. This allows the use of mobile network subscription and roaming agreements for WLAN access and for offloading selected traffic to the WLAN where the selection of the traffic to offload is based on policies and where the offloaded traffic is not using 3GPP defined entities. The same feature support is missing so far in 5GS. This Rel-17 study tries to address this gap.

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