**TSG SA3 Meeting #6G Study workshop WT-Charter-v0-1**

**6-7 August 2025, Online**

**Source: Charter, CableLabs**

**Title: Work task proposal for 6G security study**

**Document for: Discussion**

**Agenda Item:**

# 1 Justification

3GPP SA1 has identified use cases and requirements including security requirements for 6G system in FS\_6G\_REQ. Similarly, TSG RAN has in FS\_6G\_RAN\_Scen\_Req study and SA2 has initiated a Study on Architecture for 6G System in FS\_6G\_ARC, both of which have clear security dependency on SA3

In this proposal, we outline a few work tasks that need to be included in the SA3 6G security study based on the requirements and dependencies from other working groups (e.g., SA2).

# 2 Work task proposal

It is proposed that the SA3 6G security study shall include the following high level security work tasks that align with the work tasks in SA2 6G study:

**WT#1**: Define the security aspects of an overall 6G architecture as a collection of capabilities and high-level functionalities considering the following sub work tasks:

1.1. Study whether and how to securely support and/or enhance the following aspects in 6G: an enhanced SBA framework, network sharing, control plane architecture, user plane architecture, QoS framework, policy framework, network exposure framework, and localized service access.

1.2. Study how to secure and enhance different non-3GPP access (e.g. Wi-Fi, wireline) in 6G with a common (e.g., 3GPP, Wi-Fi, and wireline) inter-working function and security framework and support multi-access data connections between 3GPP access and non-3GPP access.

1.3. Study whether and how to support and/or enhance the essential/regulatory services (i.e. voice, Messaging, location services, Emergency services, MPS, Mission Critical services, PWS) in 6G.

In addition to the work tasks above, this study will identify other 5G security features that will be supported and/or adapted in 6G.

**WT#2**: Study secure migration and interworking, including

- How to support secure migration to 6GS

- How to support secure interworking with 5GS

- How to support secure interworking between 3GPP and non-3GPP access networks

**WT#3:** Study data framework for all aspects related to secure, efficient and scalable data handling including, for example, data collection, distribution, processing, storage, data access and data exposure, with consideration of security and access control.