**3GPP TSG-SA3 Meeting #109Adhoc-e *draft\_S3-230188-r2***

**Online, 16 - 20 January 2023**

**Source: Huawei, HiSilicon, China Telecom (?), Xiaomi (?), CATT (?)**

**Title: Update the conclusion of KI#2**

**Document for: Approval**

**Agenda Item: 5.3**

# 1 Decision/action requested

***Approve the proposal to TR 33.740***

# 2 References

N/A

# 3 Rationale

The contribution proposes to update the conclusion of KI#2 in TR 33.740.

Merger of S3-230235 (?), S3-230351 (?), S3-230400 (?)

# 4 Detailed proposal

\*\*\*BEGINNING OF THE 1st CHANGE\*\*\*

## 7.2 Key Issue #2: Security of UE-to-UE Relay

For Key Issue #2, the following statements are agreed:

Regarding the authentication in UE-to-UE scenario: For Layer-2 UE-to-UE Relay, the security mechanism and the long term credential defined in clause 6.2 of TS 33.503 [6] is used as the root key to establishing Layer-2 UE-to-UE Relay and communication.

Regarding End-to-End security:

* For L2 relay, the source UE and the target UE can establish a secure PC5 link over the L2 relay after the per hop link is established.

Editor’s Note: further conclusion is to be updated.

Editor’s Note: the need for Hop-by-hop security is FFS.

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