**3GPP TSG-SA3 Meeting #124 draft\_S3-253758-r2**

**Wuhan, China, 13th - 17th October 2025**

**Source: ZTE, China Telecom(?), Nokia(?)**

**Title: New key issue on Group Authorization for UE-deployed API invoker accessing other UEs' resources of a group**

**Document for: Approval**

**Agenda item: 5.2.10**

**Spec: 3GPP TR 33.700-23**

**Version: 0.0.0**

**Work Item: FS\_CAPIF\_Ph4\_SEC**

**Comments**

This contribution proposes a new key issue about Group Authorization for UE-deployed API invoker accessing other UEs' resources.

**Proposed Changes**

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

## 5.X Key Issue #X: Group Authorization for UE-deployed API invoker accessing other UEs' resources of a group

### 5.X.1 Key issue details

The procedure specified in clause 8.34 of TS 23.222 [x] enable a UE-hosted API invoker accessing network-hosted resources owned by other UEs that belong to the same group. According to clause 8.34.2 of TS 23.222 [x], the security aspect of that procedure is left with the following note:

“NOTE: The security aspects of this procedure are specified in 3GPP TS 33.122 [y].”

To provide security protection for the procedure of UE-deployed API invoker accessing other UEs’ resources of a group, the key issue studies the potential solutions to mitigate potential security threats.

### 5.X.2 Security threats

Without proper authorization mechanism, an unauthorized API invoker can claim membership in a privileged group to access resources of UEs within that group, resulting in information leakage and unauthorized modification to the resources of the resource owner.

### 5.X.3 Potential security requirements

The CCF should support authorization of a UE-hosted API invoker accessing resources owned by other UEs that belong to the same group.

\* \* \* End of First Change \* \* \* \*

\* \* \* Second Change \* \* \* \*

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[x] 3GPP TS 23.222: "Common API Framework for 3GPP Northbound APIs".

[y] 3GPP TS 33.122: "Security aspects of Common API Framework (CAPIF) for 3GPP northbound APIs".

\* \* \* End of Changes \* \* \* \*