**3GPP TSG-SA3 Meeting #119** draft\_S3-245211-r6\_was\_**S3-244657**

**Orlando, Florida, 11 – 15 Nov 2024**

**Source: Google,**

**Title: Conclusion for KI#4 (Certificate enrolment)**

**Document for: Approval**

**Agenda Item: 5.4**

# 1 Decision/action requested

***Approve the pCR to TR 33.776***

# 2 References

[1] 3GPP TR 33.776: “Study of ACME for Automated Certificate Management in SBA”

[2] IETF RFC 8555: “Automatic Certificate Management Environment (ACME)”, 2019

[3] 3GPP TS 33.310: “Network Domain Security (NDS); Authentication Framework (AF)”

# 3 Rationale

This contribution proposes a conclusion to KI#4 in TR 33.776.

# \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* BEGINNING OF CHANGES - ALL NEW TEXT \*\*\*\*\*\*\*\*\*\*\*\*\*

## 7.x KI#4: Certificate enrolment

### 7.x.1 Analysis

This key issue is addressed by Solution #5 (Using ACME protocol for certificate enrolment) which is the only solution that explicitly focuses on the KI#4. The solution includes two different methods of ACME client authorization for certificate enrolment: the ‘challenge-response’ process and the ‘pre-authorization’ process, wherein pre-authorization process is optional.

### 7.x.2 Conclusion

Normative phase can begin based on the ‘challenge-response’ process in Solution #5 (excluding “pre-authorization” process).

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