**3GPP TSG-SA3 Meeting #106-e *draft S3-220339-r1***

**e-meeting, 14 – 25 February 2022**

**Source: Nokia, Nokia Shanghai Bell**

**Title: pCR – Scope for Automated Certificate Management in SBA TR**

**Document for: Approval**

**Agenda Item: 5.15**

# 1 Decision/action requested

***Approve this contribution to add text in the Scope clause for Certificate management TR***

# 2 References

[1]

# 3 Rationale

The SID for Standardising Automated Certificate Management in SBA has been approved in SA3#103-e in S3-212390. The contribution adds text in the Scope clause for Automated Certificate Management in SBA TR.

# 4 Detailed proposal

pCR

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

# Scope

The objectives of this study are to identify key issues, potential security and privacy requirements and solutions with respect to

* Standardise the use of a single automated certificate management protocol and procedures for certificate life cycle events within intra-PLMN 5G SBA (i.e. to be used by all 5GC NFs including NRF, SCP, SEPP etc.)
* Study which lifecycle events (e.g. enrolment, renewal, revocation) of a certificate need to be covered.
* Study to reference at minimum following principles:

1. Principle to be reusable when 5G SBA is for NPN (standalone and PNI)
2. Principles standardised to be able to support NFs doing mTLS in Slicing
3. Principles involving ‘Chain of Trust’ of Certificate Authorities
4. Principles for security of CA’s cryptographic private key

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