**3GPP TSG-SA3 Meeting #115 *S3-240833***

Athens, Greece, 26th February - 1st March 2024

**Title: LS reply on certificate management**

**Response to: LS S3-240227 on certificate management from ETSI NFV**

**Source: 3GPP** **SA3**

**To:** **ETSI NFV**

**Cc: O-RAN WG11**

**ZSM**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:** none

# 1 Overall description

3GPP SA3 would like to thank ETSI NFV for their LS on certificate management.

ETSI NFV has asked three questions, to which 3GPP SA3 would like to respond:

1) provide technical feedback on the above-mentioned specifications.

Certificate management within the NFV framework falls into the expertise of ETSI NFV, therefore 3GPP SA3 trusts ETSI NFV to make technically sound decisions.

2) inform ETSI ISG NFV about on-going and/or planned related activities and if possible/applicable please provide feedback/information about the realization of certificates, CMF-like functionality, and related profiles/profiling.

In Release 18, a new clause 10 (normative) was added in TS 33.310 that profiles CMP protocol for 5G Core Network Functions and include a set of procedures for setting up initial trust, validation of the use of the certificate, etc. Additionally, a new annex I (informative) was added in TS 33.310 as guidance for certain procedures left to implementation. SA3 recently started a new study of ACME for Automated Certificate Management in SBA (SP-231787).

3) consider the possibility of collaboration on the harmonized and consolidated certificate related standards among SDOs who are working e.g. virtualization-platform for telco industry. ETSI ISG NFV would be interested in and believes that it should avoid potential overlapping work and fragmentation of the standards in close area/aspect of the industry.

3GPP TSG SA WG3 is willing to collaborate for ongoing developments for the automated certificate management with SDOs for harmonizing standardization efforts to avoid divergence and conflicting solution direction, where possible. Due to different technology stacks in scope, SA3's understanding is that ETSI NFV certificate management efforts serve certificate demands for ETSI NFV domain, while SA3 certificate management efforts are to serve certificate demands for 3GPP NF.

2 Actions

**To ETSI NFV**

**ACTION: 3GPP SA3 would kindly request ETSI NFV to take the above into account.**

# 3 Dates of next TSG SA WG 3 meetings

SA3#115AdHoc-e 15 - 19 April 2024 Electronic meeting

SA3#116 20 - 24 May 2024 Jeju (South Korea)

SA3#117 19 - 23 August 2024 Maastricht (Netherlands)