ETSI GS NFV-SOL 024 V0.0.1 (2024-02)

Network Functions Virtualisation (NFV) Release 5;

Protocols and Data Models;

Specification of protocol and data model solutions for CMF - NFV-MANO reference point

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# Foreword

This Group Specification (GS) has been produced by ETSI Industry Specification Group (ISG) Network Functions Virtualisation (NFV).

# Modal verbs terminology

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# 1 Scope

The work item will develop specification fulfilling the requirements specified in ETSI GS NFV-IFA 033 for the interfaces and reference points between CMF and VNFM. This work item will analyze existing solutions against ETSI GS NFV-IFA 033 / ETSI GS NFV-IFA 026 requirements. Based on the analysis results, The WI will profile them or develop OpenAPI representations for a RESTful protocol and data model specification. The resulting deliverable will contain normative provisions.

# 2 References

## 2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non‑specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are necessary for the application of the present document.

[1] ETSI GS NFV-IFA 026: "Network Functions Virtualisation (NFV); Network Functions Virtualisation (NFV) Release 4; Management and Orchestration; Reference points related to Security Manager and Certificate Management Function - Interface and Information Model Specification ".

[2] ETSI GS NFV-IFA 033: "Network Functions Virtualisation (NFV); Network Functions Virtualisation (NFV) Release 4; Management and Orchestration; Reference points related to Security Manager and Certificate Management Function - Interface and Information Model Specification ".

## 2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non‑specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

[i.1] ETSI GR NFV 003: "Network Functions Virtualisation (NFV); Terminology for Main Concepts in NFV".

# 3 Definition of terms, symbols and abbreviations

## 3.1 Terms

For the purposes of the present document, the terms given in ETSI GR NFV 003 [i.1] apply.

## 3.2 Symbols

Void.

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in ETSI GR NFV 003 [i.1] and the following apply.

NOTE: An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in ETSI GR NFV 003 [i.2].

CMF Certificate Management Function

# 4 Overview of Certificate Management

Editor’s Note: This clause provides an overview of the Certificate Management Stage 2 works as specified by ETSI GS NFV-IFA 033 and general aspects.

## 4.1 Introduction

# 5 Certificate Management interface

Editor’s Note: This clause provides the Stage 3 definition for Certificate Management.

## 5.1 Description

## 5.2 Version

## 5.3 Sequence diagrams (informative)

## 5.4 Operations

## 5.5 Data model

## 5.6 Additional feature profiling

Annex A (informative):  
Analysis on the existing solutions based on the Certificate Management interface requirements

Editor’s Note: This clause provides the GAP analysis CMP, CMPv2, EST, SCPE and REST.

Annex B (informative):  
Change History

| Date | Version | Information about changes |
| --- | --- | --- |
| December 2023 | 0.0.1 | First version providing the document skeleton and scope. |
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# History

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