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**Group Specification**

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***ETSI***

650 Route des Lucioles

F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - APE 7112B

Association à but non lucratif enregistrée à la

Sous-préfecture de Grasse (06) N° w061004871

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# Foreword

This Group Specification (GS) has been produced by ETSI Industry Specification Group <long ISGname> (<short ISGname>).

# Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](https://portal.etsi.org/Services/editHelp!/Howtostart/ETSIDraftingRules.aspx) (Verbal forms for the expression of provisions).

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# Executive summary

# Introduction

# 1 Scope

The present document specifies the data model of policy descriptors to fulfill the functional requirements specified in ETSI GS NFV-IFA 010 and ETSI GS NFV-IFA 048 by providing the solutions based on the analysis results of various existing data model solutions (e.g., TOSCA, YANG).

# 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.

Referenced documents which are not found to be publicly available in the expected location might be found at [https://docbox.etsi.org/Reference](https://docbox.etsi.org/Reference/).

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 necessary for the application of the present document.

[1] ETSI GS NFV-IFA 010: "Network Functions Virtualisation (NFV) Release 5; Management and Orchestration; Functional requirements specification"

[2] ETSI GS NFV-IFA 048: "Network Functions Virtualisation (NFV) Release 5; Management and Orchestration; Policy Information Model Specification"

Editor’s Note: The normative references must be used somewhere in the GS.

## 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".

[i.2] ETSI GR NFV-IFA 023: "Network Functions Virtualisation (NFV); Management and Orchestration; Report on Policy Management in MANO; Release 3".

# 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] apply.

# 4 General Aspects

## 4.1 Overview

Editor’s Note: This clause will provide a general overview of the considerations and principles guiding the data model specification.

## 4.2 Common Data Types

Editor’s Note: This clause will define common data types relevant to policy descriptors.

# 5 Analysis of Existing Data Models

Editor’s Note: This clause will evaluate existing data models, including TOSCA and YANG, in the context of policy descriptors.

## 5.1 TOSCA

Editor’s Note: This clause will provide an overview of the TOSCA model.

## 5.2 YANG

Editor’s Note: This clause will provide an overview of the YANG model.

## 5.3 XXXX

Editor’s Note: This clause will provide an overview of the XXXX model.

# 6 Data Model Specifications

## 6.1 Analysis summary

Editor’s Note: This clause will highlight the strengths and weaknesses of each data model solution, and provide a summarized analysis report.

## 6.2 Data Models

Editor’s Note: This clause will propose normative data model specifications for policy descriptors.

Annex A (informative):  
Policy descriptor Examples

Annex B (informative):  
Bibliography

Annex (informative):  
Change history

| Date | Version | Information about changes |
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