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Network Functions Virtualisation (NFV) Release 2; Management and Orchestration; Ve-Vnfm reference point - Interface and Information Model Specification

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1 Scope

The present document specifies the interfaces supported over the Ve-Vnfm-em and Ve-Vnfm-vnf reference points of the NFV-MANO architectural framework ETSI GS NFV-MAN 001 [i.3] as well as the information elements exchanged over those interfaces.

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 006: "Network Functions Virtualisation (NFV); Management and Orchestration; Vi-Vnfm reference point - Interface and Information Model Specification".

[2] ETSI GS NFV-IFA 007: "Network Functions Virtualisation (NFV); Management and Orchestration; Or-Vnfm reference point - Interface and Information Model Specification".

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

[4] ETSI GS NFV-IFA 011: "Network Functions Virtualisation (NFV); Management and Orchestration; VNF Descriptor and Packaging Specification".

[5] Recommendation ITU-T X.733: "Information technology - Open Systems Interconnection - Systems Management: Alarm reporting function".

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[i.1] ISO/IEC 9646-7: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

[i.2] ETSI GS NFV 003: "Network Functions Virtualisation (NFV); Terminology for Main Concepts in NFV".

[i.3] ETSI GS NFV-MAN 001: "Network Functions Virtualisation (NFV); Management and Orchestration".

[i.4] ETSI GS NFV-IFA 009: "Network Functions Virtualisation (NFV); Management and Orchestration; Report on Architectural Options".

[i.5] ETSI GS NFV-IFA 013: "Network Functions Virtualisation (NFV); Management and Orchestration; Os-Ma-Nfvo reference point - Interface and Information Model Specification".

[i.6] ETSI GS NFV-IFA 005: "Network Functions Virtualisation (NFV); Management and Orchestration; Or-Vi reference point - Interface and Information Model Specification".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in ETSI GS NFV 003 [i.2] apply.

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in ETSI GS NFV 003 [i.2] 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 GS NFV 003 [i.2].

CP	Connection Point
CPD	Connection Point Descriptor
DF	Deployment Flavour
FB	Functional Block
LCM	Lifecycle Management
VDU	VNF Deployment Unit
VL	Virtual Link
VLD	Virtual Link Descriptor

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Full standard:
https://standards.iteh.ai/catalog/standards/sist/c9060984-13e2-48f2-b2fc-5aa6f15d6/etsi-gs-nfv-ifa-008-v2.5.1-2018-08

4 Overview of interfaces and information elements associated to the Ve-Vnfm-em and Ve-Vnfm-vnf reference points

4.1 Introduction

This clause provides an overview of interfaces and information models associated to the Ve-Vnfm-em and Ve-Vnfm-vnf reference points.

The Ve-Vnfm-em reference point is used for exchanges between EM and VNF Manager, and supports the following interfaces:

- VNF Lifecycle Management (produced by VNFM, consumed by EM).
- VNF Performance Management, resulting from virtualised resource performance information, (produced by VNFM, consumed by EM).
- VNF Fault Management, resulting from virtualised resource fault information, (produced by VNFM, consumed by EM).
- VNF Indicator (produced by EM, consumed by VNFM).