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Information technology — Open Virtualization Format (OVF) specification

Technologies de l'information — Spécification du format de virtualisation ouvert (OVF)

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see http://www.iso.org/directives).

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For an explanation on the voluntary nature of Standard, the meaning of the ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword – Supplementary information

This document was prepared by ANSI (as INCITS 469-2015) and was adopted, under a special "fast-track procedure", by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

The list of all currently available parts of ISO/IEC 17203 series, under the general title *Information technology*, can be found on the ISO web site.

CONTENTS

Tables

AMERICAN NATIONAL STANDARD INCITS 469-2015

American National Standard
for Information Technology –

Open Virtualization Format (OVF) Specification

1 Scope

The *Open Virtualization Format (OVF) Specification* describes an open, secure, efficient and extensible format for the packaging and distribution of software to be run in virtual systems.

The OVF package enables the authoring of portable virtual systems and the transport of virtual systems between virtualization platforms. This version of the specification (2.1) is intended to allow OVF 1.x tools to work with OVF 2.x descriptors in the following sense:

- Existing OVF 1.x tools should be able to parse OVF 2.x descriptors.
- Existing OVF 1.x tools should be able to give warnings/errors if dependencies to 2.x features are required for correct operation.

If a conflict arises between the schema, text, or tables, the order of precedence to resolve the conflicts is schema; then text; then tables. Figures are for illustrative purposes only and are not a normative part of the standard.

A table may constrain the text but it shall not conflict with it.

The profile conforms to the cited CIM Schema classes where used. Any requirements contained in the cited CIM Schema classes shall be met. If a conflict arises the CIM Schema takes precedence.

The profile conforms to the cited OVF XML Schema. It may constrain the schema but it shall not conflict with it. If a conflict arises the OVF XML Schema takes precedence.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this American National Standard. All standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

The following referenced documents are indispensable for the application of this document. For dated or versioned references, only the edition cited (including any corrigenda or DMTF update versions) applies. For references without a date or version, the latest published edition of the referenced document (including any corrigenda or DMTF update versions) applies.

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DMTF DSP0223, *Generic Operations 1.0*, http://www.dmtf.org/standards/published_documents/DSP0223_1.0.pdf

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DMTF DSP8023, *OVF XML Schema Specification for OVF Envelope 2.0*, http://schemas.dmtf.org/ovf/envelope/2/dsp8023_2.0.xsd

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