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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 35292-2017

**Information technology -- Open Virtualization Format (OVF)
specification**

信息技术 开放虚拟化格式 (OVF) 规范

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafted law to amend the use of ISO/IEC 17203:2011 "Information Technology Open Virtualization Format (OVF) Specification." this standard and ISO/IEC 17203:2011 technical differences and the reasons are as follows.

--- On normative references, this standard made a technical difference with the adjustment to adapt to China's technical conditions, adjust the situation Concentration reflected in the second chapter "Normative references", the specific adjustments are as follows.

- Removed DMTCIMSSchema2.22, DMTFDSP1043 and ISO/IEC Directives, Part 2;
- Added GB/T 17966-2000 referenced in the text, see (9.5).

- Terms and definitions, according to China's national conditions were adjusted.
- Removed from 3.1 to 3.12, 3.17 and adjusted from 3.13 to 3.21 to 3.1 to 3.8.
- According to the definition of national standard in our country, the definition of virtual machine term is modified, see 3.7.

For ease of use, this section also made the following editorial changes.

- 5.3 5.3) 1) ~ 6) adjusted to a) ~ g);
- Removed the original text for the updated information appendix B, Normative Appendix C was revised to normative Appendix B;
- Removed the information appendix D, the content changed to the reference.

This standard by the National Information Technology Standardization Technical Committee (SAC/TC28) and focal point.

This standard was drafted unit. Huawei Technology Co., Ltd., China Electronics Standardization Institute, Shanghai Computer Software Technology Development Center, Shenzhen West Information Technology Co., Ltd.

1 Scope

This standard specifies the open, secure, portable, efficient and scalable format for the packaging and distribution of software running in virtual machines.

This standard applies to the design of virtualization-related products.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 14246.1-1993 Information technology portable operating system interface Part I. System application program interface (POSIX.1) (idtISO /IEC 9945-1:1990) GB/T 16970-1997 information processing information exchange CD-ROM volume and volume structure (idtISO 9660.1988) GB/T 17966-2000 binary floating-point microprocessor system (idtIEC 60559.1989) DMTFDSP0004 Common Information Model (CIM) Infrastructure Specification 2.5 [CommonInformationModel (CIM) InfrastructureSpecification2.5] DMTFDSP0230 Web Services - Generic Information Model Mapping Specification 1.0 (WS-CIM MappingSpecification1.0) DMTFDSP1041 Resource Allocation Rationale 1.1 [ResourceAllocationProfile (RAP) 1.1] IETF RFC1738 Uniform Resource Locator (URL), December.1994 [UniformResourceLocators (URL)] IETF RFC1952 GZIP File Format Specification Version 4.3, May.1996 (GZIPfileformatspecificationversion4.3) IETF RFC

2616 Hypertext Protocol - HTTP/1.1, June.1999 (Hypertext Transfer Protocol - HTTP/1.1)
IETF RFC3986 Uniform Resource Identifier (URI). Common Syntax
[UniformResourceIdentifiers (URI) .Generic Syntax] Augmented BNF for Syntax
Specification (RFC) cations.ABNF)

3 Terms and definitions

The following terms and definitions apply to this document.

Deployment platform Product with OVF package installed.

Client software guestsoftware the software stored on the virtual disk that runs when the virtual machine starts up. Under normal circumstances, the client contains an operating system and some use Household level software and services.