

Key Management Interoperability Protocol Specification Version 1.4 Errata 01

OASIS Approved Errata

18 July 2019

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Additional artifacts:

This prose specification is one component of a Work Product that also includes:

* *Key Management Interoperability Protocol Specification Version 1.4 Plus Errata 01*. Edited by Tony Cox. 18 July 2019. OASIS Standard incorporating Approved Errata. <https://docs.oasis-open.org/kmip/spec/v1.4/errata01/os/kmip-spec-v1.4-errata01-os-redlined.html>.

Related work:

This specification replaces or supersedes:

* *Key Management Interoperability Protocol Specification Version 1.0*. Edited by Robert Haas and Indra Fitzgerald. 01 October 2010. OASIS Standard. <http://docs.oasis-open.org/kmip/spec/v1.0/os/kmip-spec-1.0-os.html>.
* *Key Management Interoperability Protocol Specification Version 1.1.* Edited by Robert Haas and Indra Fitzgerald. 24 January 2013. OASIS Standard. <http://docs.oasis-open.org/kmip/spec/v1.1/os/kmip-spec-v1.1-os.html>.
* *Key Management Interoperability Protocol Specification Version 1.2.* Edited by Kiran Thota and Kelley Burgin. 19 May 2015. OASIS Standard. <http://docs.oasis-open.org/kmip/spec/v1.2/os/kmip-spec-v1.2-os.html>.
* *Key Management Interoperability Protocol Specification Version 1.3*. Edited by Kiran Thota and Tony Cox. 27 December 2016. OASIS Standard. <http://docs.oasis-open.org/kmip/spec/v1.3/os/kmip-spec-v1.3-os.html>.

Abstract:

This document lists errata for the *Key Management Interoperability Protocol Specification Version 1.4* OASIS Standard. It is intended for developers and architects who wish to design systems and applications that interoperate using the Key Management Interoperability Protocol Specification.

Status:

This document was last revised or approved by the OASIS Key Management Interoperability Protocol (KMIP) TC on the above date. The level of approval is also listed above. Check the “Latest version” location noted above for possible later revisions of this document. Any other numbered Versions and other technical work produced by the Technical Committee (TC) are listed at <https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=kmip#technical>.

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Table of Contents

[1 Introduction 5](#_Toc16609780)

[1.1 IPR Policy 5](#_Toc16609781)

[1.2 Terminology 5](#_Toc16609782)

[1.3 Normative References 5](#_Toc16609783)

[2 List of Errata 6](#_Toc16609784)

[2.1 §2.2, page 37 6](#_Toc16609785)

[2.2 §2.2.8, page 40 6](#_Toc16609786)

[2.3 Table 104: State Attribute Rules, page 65 6](#_Toc16609787)

[3 Conformance 7](#_Toc16609788)

[Appendix A. Acknowledgments 8](#_Toc16609789)

[Appendix B. Revision History 10](#_Toc16609790)

# Introduction

This document lists the approved errata to the OASIS KMIP v1.4 OASIS Standard. Each one has a number that refers to the issue that triggered the erratum.

As required by the OASIS Technical Committee Process, the approved errata represent changes that are not “substantive”. The changes focus on clarifications to ambiguous or conflicting specification text, where different compliant implementations might have reasonably chosen different interpretations. The intent of the KMIP TC has been to resolve such issues in service of improved interoperability based on subsequent normative works as well as implementation and deployment experience.

In this document, errata change instructions are presented with surrounding context as necessary to make the intent clear. Original specification text is often presented as follows, with problem text highlighted in bold:

This is an original specification sentence. **The second sentence needs to be changed, removed, or replaced.**

New specification text is typically presented as follows, with new or changed text highlighted in bold:

This is a highly original specification sentence. **This is the wholly new content to replace the old second sentence. It runs on and on and on.**

In a few cases, text needs only to be struck, in which case the change is shown as follows, with text to be removed both highlighted in bold and struck through:

This is yet another original specification sentence which contains a**~~n in appropriately~~** long description.

In addition to this normative document, non-normative “errata composite” documents may be provided that combine the prescribed corrections with the original specification text, illustrating the changes with margin change bars, struck-through original text, and highlighted new text. These documents, if available, will be found at the same location as this approved form..

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## Terminology

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in [[RFC2119](#RFC2119)] ] and [[RFC8174](#RFC8174)] when, and only when, they appear in all capitals, as shown here.

## Normative References

[RFC2119] Bradner, S., “Key words for use in RFCs to Indicate Requirement Levels”, BCP 14, RFC 2119, March 1997. <<http://www.ietf.org/rfc/rfc2119.txt>>.

**[****RFC8174]** Leiba, B., "Ambiguity of Uppercase vs Lowercase in RFC 2119 Key Words", BCP 14, RFC 8174, DOI 10.17487/RFC8174, May 2017, <<http://www.rfc-editor.org/info/rfc8174>>.

# List of Errata

The Errata items contained within this document are all focused on clarifying lifecycle and operational usage of Opaque Objects.

## §2.2, page 37

Remove the text

Managed Objects are objects that are the subjects of key management operations, which are described in Sections 4 and 5. Managed Cryptographic Objects are the subset of Managed Objects that contain cryptographic material **~~(e.g., certificates, keys, and secret data)~~**.

## §2.2.8, page 40

Add the text

A Managed Object that the key management server is possibly not able to interpret. The context information for this object MAY be stored and retrieved using Custom Attributes.

**An Opaque Object MAY be a Managed Cryptographic Object depending on the client context of usage and as such is treated in the same manner as a Managed Cryptographic Object for handling of attributes.**

## Table 104: State Attribute Rules, page 65

Remove the text

All **~~Cryptographic~~** Objects

# Conformance

These changes will not require any changes to the conformance rules for KMIP Specification v1.4. The Conformance section of the KMIP Specification v1.4 OASIS Standard is unchanged.

1. Acknowledgments

The following individuals have participated in the creation of this specification and are gratefully acknowledged:

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1. Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision** | **Date** | **Editor** | **Changes Made** |
| WD01 | 2 May 2019 | Tony Cox | Clarification of Opaque object handling |
| WD02 | 23 May 2019 | Tony Cox | Added related documents section and updated required (non-material) text. |