



# PKCS #11 Cryptographic Token Interface Base Specification Version 2.40 Errata 01

## Committee Specification Draft 01

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### Specification URIs

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#### Additional artifacts:

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

- *PKCS #11 Cryptographic Token Interface Base Specification Version 2.40 Plus Errata 01*. Edited by Susan Gleeson, Chris Zimman, Robert Griffin, and Tim Hudson. 09 December 2015. OASIS Standard Incorporating Draft 01 of Errata 01. <http://docs.oasis-open.org/pkcs11/pkcs11-base/v2.40/errata01/csd01/pkcs11-base-v2.40-errata01-csd01-complete.html>.
- Normative computer language definition files for PKCS #11 v2.40:
  - <http://docs.oasis-open.org/pkcs11/pkcs11-base/v2.40/errata01/csd01/include/pkcs11-v2.40/pkcs11.h>
  - <http://docs.oasis-open.org/pkcs11/pkcs11-base/v2.40/errata01/csd01/include/pkcs11-v2.40/pkcs11t.h>
  - <http://docs.oasis-open.org/pkcs11/pkcs11-base/v2.40/errata01/csd01/include/pkcs11-v2.40/pkcs11f.h>

#### Related work:

This specification is related to:

- *PKCS #11 Cryptographic Token Interface Base Specification Version 2.40*. Edited by Susan Gleeson and Chris Zimman. 14 April 2015. OASIS Standard. <http://docs.oasis-open.org/pkcs11/pkcs11-base/v2.40/os/pkcs11-base-v2.40-os.html>.

**Abstract:**

This document contains corrections to errors and omissions in the *PKCS #11 Cryptographic Token Interface Base Specification version 2.40 OASIS Standard*.

**Status:**

This document was last revised or approved by the OASIS PKCS 11 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=pkcs11#technical](https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=pkcs11#technical).

TC members should send comments on this specification to the TC’s email list. Others should send comments to the TC’s public comment list, after subscribing to it by following the instructions at the “[Send A Comment](#)” button on the TC’s web page at <https://www.oasis-open.org/committees/pkcs11/>.

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**Citation format:**

When referencing this specification the following citation format should be used:

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*PKCS #11 Cryptographic Token Interface Base Specification Version 2.40 Errata 01*. Edited by Robert Griffin and Tim Hudson. 09 December 2015. OASIS Committee Specification Draft 01. <http://docs.oasis-open.org/pkcs11/pkcs11-base/v2.40/errata01/csd01/pkcs11-base-v2.40-errata01-csd01.html>. Latest version: <http://docs.oasis-open.org/pkcs11/pkcs11-base/v2.40/errata01/pkcs11-base-v2.40-errata01.html>.

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# 1 Introduction

[All text is normative unless otherwise labeled]

## 1.1 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]** 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>.

[.

## 1.2 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>.
- [PKCS #11-Base]** *PKCS #11 Cryptographic Token Interface Base Specification Version 2.40*. Edited by Susan Gleeson and Chris Zimman. 14 April 2015. OASIS Standard. <http://docs.oasis-open.org/pkcs11/pkcs11-base/v2.40/os/pkcs11-base-v2.40-os.html>. Latest version: <http://docs.oasis-open.org/pkcs11/pkcs11-base/v2.40/pkcs11-base-v2.40.html>.
- [PKCS #11-Base-Rev01]** *PKCS #11 Cryptographic Token Interface Base Specification Version 2.40 Plus Errata 01*. Edited by Susan Gleeson, Chris Zimman, Robert Griffin, and Tim Hudson. 09 December 2015. OASIS Standard Incorporating Draft 01 of Errata 01. <http://docs.oasis-open.org/pkcs11/pkcs11-base/v2.40/errata01/csd01/pkcs11-base-v2.40-errata01-csd01-complete.html>.

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## 2 Errata for PKCS #11 Base Specification v2.40 OS

### 2.1 Removal of Manifest Constants from Appendix B

To minimize the risk of errors, values for PKCS #11 manifest constants in **[PKCS #11-Base-Rev01]** are specified only in the normative computer language definition files associated with that specification. The table of manifest constant definitions that was included in Appendix B of the **[PKCS #11-Base]** is not included in **[PKCS #11-Base-Rev01]**. Corrections to errors in Appendix B of **[PKCS #11-Base]** have been incorporated into the normative computer language definition files specified in **[PKCS #11-Base-Rev01]**.

See the following normative computer language definition files for the manifest constants:

- [include/pkcs11-v2.40/pkcs11.h](#)
- [include/pkcs11-v2.40/pkcs11t.h](#)
- [include/pkcs11-v2.40/pkcs11f.h](#)

### 2.2 Corrections to Manifest Constant Definitions

The following definitions were incorrectly specified in **[PKCS #11-Base]**:

- CK\_HW\_FEATURE\_TYPE is correctly specified in section 3.4 of **[PKCS #11-Base]**, but is incorrectly specified as CK\_HW\_FEATURE in sections 4.3.3.1, 4.3.4.1 and 4.3.5.1 of **[PKCS #11-Base]**, where it should have been referred to as CK\_HW\_FEATURE\_TYPE. This error is corrected in **[PKCS #11-Base-Rev01]**. In addition, the incorrect CK\_HW\_FEATURE constant is not included in the PKCS#11 normative computer language definition files.
- CKR\_COPY\_PROHIBITED was incorrectly specified in Appendix B of **[PKCS #11-Base]**; it should not exist and where used is meant to be CKR\_ACTION\_PROHIBITED, This value should not exist and is not included in the PKCS#11 normative computer language definition files.

### 2.3 Corrections to Functions Macro

The macro CK\_DEFINE\_FUNCTION was replaced with CK\_DECLARE\_FUNCTION as this is what is contained in the normative computer language files. CK\_DEFINE\_FUNCTION was unused and has been removed from the specification and the normative computer language files.

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## 3 PKCS #11 Implementation Conformance

PKCS #11 Implementation Conformance is defined in Section 6 of **[PKCS #11-Base-Rev01]**.

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## Appendix A. Acknowledgments

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

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## Appendix B. Revision History

Revision	Date	Editor	Changes Made
wd01	Dec 9 2015	Robert Griffin / Tim Hudson	First draft, incorporating v2.40 errata from the PKCS 11 TC wiki into template document