

E
R
R
A
T
A

Errata for TCG TSS 2.0 Enhanced System API (ESAPI)
Specification Version 1.00 Revision 05

Version 1.0
Revision 1.0
September 11, 2019

Contact:
admin@trustedcomputinggroup.org

PUBLISHED

DISCLAIMERS, NOTICES, AND LICENSE TERMS

THIS ERRATA IS PROVIDED “AS IS” WITH NO WARRANTIES WHATSOEVER, INCLUDING ANY WARRANTY OF MERCHANTABILITY, NONINFRINGEMENT, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY WARRANTY OTHERWISE ARISING OUT OF ANY PROPOSAL, SPECIFICATION OR SAMPLE.

Without limitation, TCG disclaims all liability, including liability for infringement of any proprietary rights, relating to use of information in this document and to the implementation of this document, and TCG disclaims all liability for cost of procurement of substitute goods or services, lost profits, loss of use, loss of data or any incidental, consequential, direct, indirect, or special damages, whether under contract, tort, warranty or otherwise, arising in any way out of use or reliance upon this document or any information herein.

This document is copyrighted by Trusted Computing Group (TCG), and no license, express or implied, is granted herein other than as follows: You may not copy or reproduce the document or distribute it to others without written permission from TCG, except that you may freely do so for the purposes of (a) examining or implementing TCG specifications or (b) developing, testing, or promoting information technology standards and best practices, so long as you distribute the document with these disclaimers, notices, and license terms.

Contact the Trusted Computing Group at www.trustedcomputinggroup.org for information on specification licensing through membership agreements.

Any marks and brands contained herein are the property of their respective owners.

CONTENTS

DISCLAIMERS, NOTICES, AND LICENSE TERMS	1
1 Introduction	3
2 Errata	4
2.1 Esys_TR_FromTPMPublic()	4
2.2 Esys_TR_Close()	4
2.3 Esys_<COMMAND_NAME>_Finish()	4

1 Introduction

This document describes errata and clarifications for the TCG TSS 2.0 Enhanced System API (ESAPI) Specification v1.00 r05 as published. The information in this document is likely – but not certain – to be incorporated into a future version of the specification. Suggested fixes proposed in this document may be modified before being published in a later TCG Specification. Therefore, the contents of this document are not normative and only become normative when included in an updated version of the published specification. Note that since the errata in this document are non-normative, the patent licensing rights granted by Section 16.4 of the Bylaws do not apply.

2 Errata

2.1 Esys_TR_FromTPMPublic()

In addition to NV and persistent object handles, Esys_TR_FromTPMPublic() SHALL also support converting sessions represented as a TPM2_HANDLE to an ESYS_TR. The resulting ESYS_TR session object has limited command functionality, notably useful for Esys_FlushContext().

2.2 Esys_TR_Close()

Section 7.6 bullet two states, “The ‘object’ parameter is a reference to an identifier for the object to be closed. MUST NOT be NULL. Must not be ESYS_TR_NONE. The contents of this variable will be set to ESYS_TR_NONE.”

The statement should be that, “The ‘object’ parameter MUST be a reference to an ESYS_TR identifier for the object to be closed. The reference MUST NOT be NULL and the referenced ESYS_TR value MUST NOT be ESYS_TR_NONE. After successful completion of the function the referenced ESYS_TR value will be set to ESYS_TR_NONE”.

2.3 Esys_<COMMAND_NAME>_Finish()

Section 9.3 in the last paragraph states, “ESAPI implementations SHOULD establish a limit on the number or duration of retries that will be made before the original TPM error code is sent back to the caller. If the Esys_<COMMAND_NAME>_Finish() call resubmits a command to the TPM it MUST return TSS2_ESYS_RC_TRY_AGAIN similarly to other finish delays.”

The statement should be, “ESAPI implementations SHOULD establish a limit on the number or duration of retries that will be made before the original TPM error code is sent back to the caller. If the Esys_<COMMAND_NAME>_Finish() call resubmits a command to the TPM it MUST return TSS2_ESYS_RC_TRY_AGAIN immediately after command re-submission to the TPM.”