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

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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.”