

ERRATA

ERRATA

Errata Version 0.4
September 29, 2017

FOR

TCG PC Client Platform Physical Presence Interface Specification

Specification Version 1.30
Revision 0.52
March 16, 2015

Contact: admin@trustedcomputinggroup.org

TCG Published

Copyright © TCG 2017

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 and its members and licensors disclaim all liability, including liability for infringement of any proprietary rights, relating to use of information in this specification and to the implementation of this specification, 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 specification 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.

Table of Contents

1. Introduction	4
2. Errata	5
2.1 Errata in Section 9, Table 2, Physical Presence Interface Operations Summary for TPM 2.0.....	5
2.2 Errata in Section 10, Table 4, Confirmations of Physical Presence Interface Operations.....	6

1. Introduction

This document describes errata and clarifications for the TCG PC Client Platform Physical Presence Interface Specification v1.30 revision 0.52 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 Errata in Section 9, Table 2, Physical Presence Interface Operations Summary for TPM 2.0

Table 2 defines Physical Presence Interface (PPI) Operations that are defined for systems with TPM 2.0 and includes a column “When Physical Presence Confirmation is Required.” The behavior is defined by flags. For instance, the PPI Operation to clear a TPM (operation 5) requires physical presence confirmation when the flag “PPRequiredForClear is TRUE.” Other operations modify these flags. For instance, operation 17 SetPPRequiredForClear_True will set the PPRequiredForClear flag to TRUE. Operation 17 itself does not require physical presence confirmation. The complimentary operation 18, on the other hand, “Always” requires physical presence confirmation. This is to prevent a malicious caller disabling the physical presence confirmation for clearing the TPM without a confirmation.

Other operations that manipulate similar flags have the requirements switched. The values in Table 2 contradict Table 4 in revision 52 of the PPI specification version 1.30. For instance, operation 25, SetPPRequiredForChangePCRs_False, has no physical presence confirmation requirement, but should, and operation 26, SetPPRequiredForChangePCRs_True, has the physical presence confirmation requirement “Always”, but should not.

The rows for these operations in Table 2 should be changed as follows:

Operation Value	Operation Name	What the operation may change		or Mandatory Optional	When Physical Presence Confirmation is Required	May need additional boot cycle
		TPM State	Persistent Firmware TPM Management Flags			
...						
25	SetPPRequiredForChangePCRs_False		X	O3	Always	
26	SetPPRequiredForChangePCRs_True		X	O3		
27	SetPPRequiredForTurnOn_False		X	O4	Always	
28	SetPPRequiredForTurnOn_True		X	O4		
29	SetPPRequiredForTurnOff_False		X	O5	Always	
30	SetPPRequiredForTurnOff_True		X	O5		
31	SetPPRequiredForChangeEPS_False		X	O6	Always	
32	SetPPRequiredForChangeEPS_True		X	O6		
...						
98	SetPPRequiredForEnable_BlockSIDFunc_True			O8		
99	SetPPRequiredForEnable_BlockSIDFunc_False			O8	Always	
100	SetPPRequiredForDisable_BlockSIDFunc_True			O9		

Operation Value	Operation Name	What the operation may change		Mandatory or Optional	When Physical Presence Confirmation is Required	May need additional boot cycle
		TPM State	Persistent Firmware TPM Management Flags			
101	SetPPRequiredForDisable_BlockSIDFunc_False			O9	Always	
...						

2.2 Errata in Section 10, Table 4, Confirmations of Physical Presence Interface Operations

The Confirmation Text for the row with Op Value 97 (Disable_BlockSIDFunc) currently reads “A configuration change was requested to disable issuing a Block SID authentication command on subsequent boots.” The disable functionality should only have an effect on the next boot, not on all subsequent boots. The Confirmation Text should read instead “A configuration change was requested to disable issuing a Block SID authentication command on the next boot only.”