ERRATA

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FOR

TCG PC Client Platform
Physical Presence Interface Specification

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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		Mandatory or 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	
…						