

# ERRATA

## ERRATA

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## FOR

### TCG TPM I2C Interface Specification

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## 1. Introduction

This document describes errata and clarifications for the TCG TPM I2C Interface Specification Level 00 Revision 1.00 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. Clarifications

### 2.1 Clarification 1

Section 6.5 TPM\_HASH\_START Table 2 I2C TPM Register overview specifies the TPM\_HASH\_START register as follows:

0x28	TPM_HASH_START	1	This signals the start of the hash operation. Only available when locality 4 is selected	Write only
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It might happen that the phrase “when locality 4 is selected” is misinterpreted as “Locality 4 is the active Locality”. Therefore the following clarification will be added in a future version of the specification:

There are two possibilities to access TPM\_HASH\_START:

- 1) Write 0x04 to TPM\_LOC\_SEL followed by a write to TPM\_HASH\_START, which automatically sets TPM\_ACCESS.activeLocality for Locality 4.
- 2) Write 0x04 to TPM\_LOC\_SEL followed by a write to TPM\_ACCESS.requestUse, then write to TPM\_HASH\_START.

### 2.2 Clarification 2

Section 6.5.1 TPM\_LOC\_SEL and section 6.6 Interface Locality Usage per Register (Table 11) have no restrictions when TPM\_LOC\_SEL may be accessed. TPM\_LOC\_SEL should not change its value during a DRTM execution sequence. Therefore this clarification recommends I2C TPM implementations should ignore any write to TPM\_LOC\_SEL during a DRTM execution sequence.

### 3. Errata

#### 3.1 Errata 1

Section 6.4 Table 1 contains in the 2<sup>nd</sup> column the values for the Locality Selection Register. Those values are in hexadecimal representation but contain incorrect numbers for the Locality range “Reserved for vendor use” and for the range “32 – 255” The correct values can be seen in the corrected table below (corrected values are highlighted in yellow color).

**Table 1 — TPM Locality Selection Register**

Locality Priority	Locality Selection Register value	Locality	Value of locality modifier (see the PTP <b>Error! Reference source not found.</b> )	Mandatory (M) Optional (O)
5	0x00	0	0000 0001b	M
4	0x01	1	0000 0010b	O
3	0x02	2	0000 0100b	O
2	0x03	3	0000 1000b	O
1	0x04	4	0001 0000b	O
6	0x05 – 0x1F	Reserved for vendor use	n.a.	n.a.
	0x20 – 0xFF	32 - 255	0010 0000b – 1111 1111b	O