

TCG Infrastructure WG / DMTF Work Register
Version 1.0
Date Initiated : 09/19/2006

Alliance Organizations

[Trusted Computing Group](#) (TCG) and the [Distributed Management Task Force](#) (DMTF)

Background

Businesses, governments, academic institutions, and individual users are becoming increasingly interconnected through a variety of wired and wireless communication networks and with a variety of computing devices. Concerns about the security of communications, transactions, and wireless networks are inhibiting realization of benefits associated with pervasive connectivity and electronic commerce. These concerns include exposure of data on systems, system compromise due to software attack, and lack of user identity assurance for authorization. The latter concern is exacerbated by the increasing prevalence of identify theft.

In addition, as users become more mobile, physical theft is becoming a growing concern. Users and IT organizations need the industry to address these issues with standards-based security solutions that reduce the risks associated with participation in an interconnected world while also ensuring interoperability and protecting privacy. Standardization will also enable a more consistent user experience across different device types.

The Trusted Computing Group (TCG) formed in 2003 to respond to this challenge, and currently has more than 140 member companies and organizations working to address this challenge. The purpose of TCG is to develop, define, and promote open, vendor-neutral industry specifications for trusted computing. These include hardware building block and software interface specifications across multiple platforms and operating environments. Implementation of these specifications will help manage data and digital identities more securely, protecting them from external software attack and physical theft. TCG specifications can also provide capabilities that can be used for more secure remote access by the user and enable the user's system to be used as a security token.

Alliance Partner Mission

The Trusted Computing Group (TCG) is a not-for-profit organization formed to develop, define, and promote open standards for hardware-enabled trusted computing and security technologies, including hardware building blocks and software interfaces, across multiple platforms, peripherals, and devices. TCG specifications will enable more secure computing environments without compromising functional integrity, privacy, or individual rights. The primary goal is to help users protect their information assets (data, passwords, keys, etc.) from compromise due to external software attack and physical theft. TCG has adopted the specifications of TCPA and has enhanced these specifications and is extending these specifications across multiple platforms such as servers, PDA's, and digital phones. In addition, TCG has created TCG software interface specifications to enable broad industry adoption.

The objective of this document is to define the liaison relationship between the DMTF and the TCG.

Alliance Benefits

The following benefits are expected when TCG works with DMTF to develop management specifications for trusted drives:

- TCG-capable Trusted Platforms will be able to be managed in a manner consistent with the existing DMTF methods.
- TCG Work Groups will benefit from the vast experience of DMTF and DMWG members, ensuring the completeness of the resulting solution.
- DMTF and DMWG will benefit from the comprehensive security knowledge of TCG members and the trusted computing vision of the TCG.
- Promote DMTF standards and mission to TCG members, trusted computing end-users and trusted computing analysts.
- Joint participation in conferences and interoperability engagements.

Milestones / Dates

TCG recommends taking a phased approach to defining enhancement management capability for Trusted Computing Platforms. The milestones defined below match the priority and maturity of the respective capabilities in the marketplace. The initial focus will be on management of the TPM, followed closely by management capabilities for Trusted Storage Devices, and completed by management services for the more complex Trusted Computing Platform.

(Note: The following dates are the target dates for completion of the DMTF internal work deliverables, without factoring in the DMTF specification approval process)

- TPM Management
 - Use cases (4Q/2006)
 - Profiles (1Q/2007)
- Trusted Storage Device Management
 - Use cases (2Q/2007)
 - Profiles (4Q/2007)
- Trusted Platform (TP) Management
 - Use cases (3Q/2007)
 - Profiles (4Q/2007)

Due to the complexity of the Trusted Computing technology and the emerging market that this technology addresses, TCG recommends that at least two Best Practices Whitepapers be developed for publication at a similar time to specification completion. The TCG Marketing Work Group is an invaluable team to assist in the development of these papers, and may work cooperatively with the corresponding DMTF workgroup to ensure consistent messaging. Additionally, TCG participates in a variety of global marketing events where Trusted Platform Management is a key aspect.

- Best Practices Whitepaper

- Devices
- Platforms

- Joint marketing events

The following specifications will be required to be shared between DMTF and TCG.

- The following public specifications are considered relevant to the work:
 - TPM 1.2 Specification (public)
 - TSS 1.2 Specification (public)
 - Architecture Part I Specification (public)
 - TCG Best Practices document (public)
 - SSWG Specifications (TBD)

- The following specifications being development will be relevant to the Work Register
 - Architecture Part II Specification (in 60 day review)
 - IF-PTS Specification (in 60 day review)
 - SSWG Specifications (TBD)

- The following DMTF specifications may be required to be shared with the TCG.
 - CIM Schema Work in Progress Drafts
 - SMWG Profile Work in Progress Drafts
 - Profile Users Guide Work in Progress Drafts

Work Register Review Date

30 September 2008

Resources Identified / Points of Contact:

TCG:

- Mark Schiller, Trusted Computing Group, President
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- Dave Riss, Trusted Computing Group, Vice-President
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- Thomas Hardjono, co-chair TCG Infrastructure Work Group & IWG Liaison to DMTF, iwg-chair@trustedcomputinggroup.org

- Ned Smith, co-chair TCG Infrastructure Work Group, iwg-chair@trustedcomputinggroup.org

- Len Veil, IWG Liaison to DMTF, lveil@wavesys.com

- Bob Thibadeau, Trusted Computing Group, SSWG Chair sswg-chair@trustedcomputinggroup.org

DMTF:

- SMWG – Profile Coordination and reuse of TCG Profiles, svrmgmt-chair@dmtof.org
- User and Security – Models for the security mechanisms, wg-user-chair@dmtof.org

- Core – MOF changes due to TCG profile development, wg-cimcore-chair@dmtof.org

Corresponding TCG Work Register Document

This document serves as the Work Register document for both the TCG and DMTF.

Approved by the DMTF Board of Directors with resolution # 2006-10-2