

Printer Working Group Plenary Session

February 2, 2011

Wailea-Makena, HI

Plenary Agenda

- Administrivia
- Open Issues
- PWG Web Site Redesign
- PWG Working Group Status [WG Chairs]
 - MFD (Semantic Model)
 - WIMS (DMTF CIM, PMP, Power Management)
 - IPP (IPP v2 + IPP Everywhere)
 - IDS (Imaging Device Security)
- Cloud Printing Status
- Liaison Status
- Next Meeting Details

Administrivia



- Welcome and Introductions
- Confirm Minutes Taker
- Approve/Modify Agenda
- Approve Previous Plenary Minutes
- Review PWG Patent Policy
- Agenda for the Week
- Future PWG Meeting Schedule
- 2011 Membership
- PWG Officers

PWG Patent Statement



- PWG standards may include the known use of essential patents and patent applications provided the PWG Chair receives assurance from the patent holder or applicant with respect to patents whose infringement is, or in the case of patent applications, potential future infringement the applicant asserts will be, unavoidable in a compliant implementation of either mandatory or optional portions of the standard. This assurance shall be provided without coercion.

PWG Patent Statement



- This assurance shall be either:
 - a) A general disclaimer to the effect that the patentee will not enforce any of its present or future patent(s) whose use would be required to implement either mandatory or optional portions of the proposed PWG standard against any person or entity complying with the standard; or
 - b) A statement that a license for such implementation will be made available without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination.

PWG Patent Statement



- The PWG is not in a position to give authoritative or comprehensive information about evidence, validity or scope of patents or similar rights, but it is desirable that any available information should be disclosed. Therefore, all PWG members shall, from the outset, draw PWG's attention to any relevant patents either their own or of other organizations including their Affiliates that are known to the PWG members or any of their Affiliates, although PWG is unable to verify the validity of any such information.

Inappropriate Topics for PWG WG Meetings



- Don't discuss the validity/essentiality of patents/patent claims
- Don't discuss the cost of specific patent use
- Don't discuss licensing terms or conditions
- Don't discuss product pricing, territorial restrictions, or market share
- Don't discuss ongoing litigation or threatened litigation
 - Don't be silent if inappropriate topics are discussed
 - ...do formally object.

Agenda for the Week



- Tuesday, February 1

- 8:00 - 9:00 Breakfast
- 9:00 - 12:00 Cloud Printing BOF
- 12:00 - 1:00 Lunch
- 1:00 - 5:00 MFD

- Wednesday, February 2

- 8:00 - 9:00 Breakfast
- 9:00 - 12:00 IPP / IPP Everywhere, part 1
- 12:00 - 1:00 Lunch (at Clubhouse)
- 1:00 - 2:30 Plenary
- 2:30 - 2:45 Break
- 2:45 - 5:00 IPP / IPP Everywhere, part 2

Agenda for the Week



- Thursday, December 9
 - 8:00 - 9:00 Breakfast
 - 9:00 - 11:00 WIMS
 - 11:00 - 11:15 Break
 - 11:15 - 12:00 IDS, part 1
 - 12:00 - 1:00 Lunch
 - 1:00 - 4:00 IDS, part 2
 - 4:00 - 8:00 Luau @ Grand Wailea
(Makena shuttle available for those attending)

2011 PWG Meeting Schedule



- April 4-6* Cupertino, CA (hosted by Apple)
- May 24-26 Webster, NY (hosted by Xerox)
- August 2-4 Vancouver, WA (hosted by HP)
- October 4-6 Cupertino, CA (hosted by Ricoh)
- December 6-8 Austin, TX (hosted by Dell)

** Open Printing Summit April 6-8 in San Francisco*

2012 PWG Meeting Schedule



- All Dates Tentative
- February 7-9
- April 3-5
- June 5-7
- August 7-9
- October 2-4
- December 4-6

2011 Membership



27 Members

Apple	Hewlett Packard	Northlake
Brother Industries	Ricoh	Oki Data
Canon	Konica Minolta	Samsung
Coretronic	Kyocera Mita	Sharp Labs
David Whitehead	Lexmark	Technical Interface Consulting
Dell	Microsoft	Toshiba America Business Solutions
Epson	MPI Tech	Tykodi Consulting Services LLC
Fuji Xerox	MWA Intelligence	Xerox
High North	NEC Display Solutions, Ltd	Zoran

PWG Officers



- PWG Chair
 - Michael Sweet, Apple
- PWG Vice-Chair
 - Nancy Chen, Oki Data
- PWG Secretary
 - Paul Tykodi, Tykodi Consulting Services LLC

Open Issues



- PWG web site
 - Design demo from Michael Sweet
- Resolution on “parked” use cases and specifications
 - Use cases get saved as white papers
 - Specifications get saved as drafts
- MFD WG secretary needed
- WIMS WG secretary needed

PWG Web Site Redesign

PWG Web Site Redesign



- Overall design is a simple logo/title header, sidebar for popular pages, content area, and footer
- Host the “static” pages on www.pwg.org, move all of the work group pages to the Wiki
 - This will make updating the work group pages easier and allows people to post feedback
 - Links to the old pages can redirect to the wiki
 - We can upgrade our wiki account to allow use of “wiki.pwg.org” or other pwg.org hostname
- HTML template for static pages will be fairly simple as most of the layout/look-n-feel is in a stylesheet

PWG Web Site Redesign



The screenshot shows a web browser window titled "PWG-wiki - Printer Working Group" with the URL "http://pwg-wiki.wikispaces.com/Printer+Working+Group". The page features a dark header with the PWG logo and navigation links. A sidebar on the left contains sections for "Printer Working Group:", "Work Groups:", "Discussions:", and "Resources:". The main content area includes a "Page" dropdown menu, a search box, and a table of "Active Working Groups".

Printer Working Group:

- Home
- Officers
- Members (How to Join)
- Calendar
- Meeting Schedule

Work Groups:

- Imaging Device Security WG
- Internet Printing Protocol WG
- Multi-Function Device WG
- Semantic Model WG
- WIMS WG

Discussions:

- Cloud Printing
- Information for Managed Print Services Providers and Users
- PWG Web Page Redesign

Resources:

- Informational Documents
- Published Standards
- Mailing Lists

Active Working Groups

The following groups are active within the PWG at this time.

Working Group	FTP site	Description
IDS	ids	Imaging Device Security working group
IPP	ipp	Internet Printing Protocol working group
MFD	mfd	Multi-Function Device working group
SM	sm	Printer Semantic Model working group
WIMS	wims	Workgroup for Imaging Management Solutions
WIMS-CIM	wims/cim	WIMS subgroup working on updating the DMTF Common Information Model schema of printing

New Users

You can always browse the wiki without becoming a member. If you are a PWG member and wish to edit this wiki, please follow these steps:

1. Create an account and login (top of the page).
2. Request to join this wiki (near the bottom of the sidebar on the left).

The wiki managers will process your request as soon as possible. Once you are a member, you can add and edit pages.

What is a Wiki?

A wiki is a web site that is created by its users. You – yes, you! – can add and edit pages on this web site. If you want to add or correct information in a page, click/touch the "Edit" button at the top. If you follow a link to a page that doesn't yet exist, the wiki tells you the page isn't there and allows you to create it. This wiki has both a nice WYSIWYG editor as well as a traditional plain text editor.

Comments are owned by the poster. All other material is copyright © 2007–2011 The Printer Working Group. All rights reserved. Please contact the PWG Webmaster to report problems with this site.

PWG Working Group Status

PWG Plenary Status Report MFD Working Group

February, 2011
Wailea, HI PWG F2F Meeting

Purpose of the effort



The MFD working group is concerned with the modeling of imaging services and subunits that comprise a network connected Multifunction Device. The Objectives are:

- Drive to a standard semantic definition for an MFD's Subunits, Services, Jobs and Documents.
 - Agreement on the semantics of their attributes, operations and parameters.
- Currently being addressed are an overall MFD specification, Copy Service, FaxOut Service and FaxIn Service.
 - The Print, Scan and Resource Services have been completed
- The definition of a framework for the complete model is an objective.

Approved Documents:

Print Service: *Approved January 2004*

- PWG5105.1
PWG Semantic Model Specification Version 1.00
- <ftp://ftp.pwg.org/pub/pwg/candidates/cs-sm10-20040120-5105.1.pdf>

Scan Service: *Approved April 2009*

- PWG5108.02-2009:
Network Scan Service Semantic Model and Service Interface Version 1.0
- <ftp://ftp.pwg.org/pub/pwg/candidates/cs-sm20-scan10-20090410-5108.02.pdf>

Resource Service: *Approved July 2009*

- PWG5108.03-2009
Network Resource Service Semantic Model and Service Interface Version 1.0
- <ftp://ftp.pwg.org/pub/pwg/candidates/cs-sm20-resource10-20090703-5108.03.pdf>

Approved Documents:

MFD Requirements: *Approved September 2010*

- Multifunction Device Service Model Requirements
- <ftp://ftp.pwg.org/pub/pwg/informational/req-mfdreq10-20100901.pdf>

In Progress Documents:

MFD Common Semantics: (In PWG Last Call)

MFD Model and Common Semantics: Jan 24, 2011 Stable Draft

<ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdmodel10-20110124.pdf>

Copy Service: (Ready for PWG Last Call)

Copy Service: Semantic Model and Service Interface – Jan 11, 2011 Stable Draft

<ftp://ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdcopymodel10-20110117.pdf>

FaxOut Service: (Ready for WG Last Call)

FaxOut Service:

Semantic Model and Service Interface – Jan 17, 2011 Stable Draft

<ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdfaxoutmodel10-20110117.pdf>

In Progress Documents:

FaxIn Service: (Work in Progress)

FaxIn Service:

Semantic Model and Service Interface – July 28 Interim Draft

<ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdfaxinmodel10-20100728.pdf>

System Service: (Work in Progress)

MFD System Service :

Semantic Model and Service Interface – Jan 24, 2011 Interim Draft

<ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdsystemservicemodel10-20110124.pdf>

In Progress Documents:

Schema Status:

- Latest (v1.120) Up to date with In Progress specifications
- Named version (v1.119) ready for publishing containing only the semantic elements from completed and approved specifications
 - Namespace and content locked down for MFD Model and Common Semantics

Remaining Services



- Services planned to be addressed after the current Services are complete. (Subject to change based on group consensus)
 - Transform Service
 - EmailIn Service
 - EmailOut Service

Next Steps



- Complete Last Call and Formal Vote for MFD Model and Common Semantics specification.
- Upon approval of above the Copy Service and FaxOut service specifications will enter PWG Last Call
- Work on FaxIn and System Service specifications will then become the focus of the group
- We need people to step up as editors of remaining service specifications. The MFD specification reduces the amount of work to produce a service specification. The current Copy specification and FaxOut specification can be used as templates.

More Info/How to participate



- **We welcome more participation from member companies**
- **The group maintains a Web Page for MFD That includes links to the latest documents, schema and a browsable version of the schema**

<http://www.pwg.org/mfd/index.html>

More Info/How to participate



- **Information on subscribing to the MFD mailing list is available at**
<<https://www.pwg.org/mailman/listinfo>>
- **MFD holds periodic phone conferences, with dates, call numbers and agenda announced on the MFD mail list.**

PWG Plenary Status Report Workgroup for Imaging Management Solutions (WIMS/PMP)

February 2, 2011

Wailea-Makena, HI

PWG F2F Meeting

Purpose of the effort



- The WIMS/PMP working group is concerned with:
 - Supporting the remote management of Hardcopy Imaging devices by the definition of new and the recasting of previously-defined imaging device and service management elements for mapping into standard management semantics and protocols, including but not limited to SNMP, CIM, and Web Services Management
 - Continuing support of DMTF/CIM classes concerned with Imaging Devices and Services.
 - Continuing support and update of the printer-related PWG and IETF published MIB documents
 - Continuing support and update of the specifications produced by the former PWG MIB Working Group (PMP) as well as by the PWG WIMS Working Group.

Work Items for the WG



- What We're Doing

- Supporting the existing IETF and PWG Printer and related MIB documents, including the advancement, extension and expansion of these specifications.
- Advancing a basic public management elements structure for Hardcopy Services and Devices that draws upon existing structures and that utilizes a set of management elements that is consistent over the various management protocols and methods.
- Considering management aspects of MFD in the light of changing usage, operational and security environments.

- What We're NOT Doing

- We are not addressing the delivery of Hardcopy services.
- We are not specifically concerned with security issues related to Hardcopy Devices or Services, although management must recognize and accommodate the requirements and constraints demanded by security.
- We are not defining a management service or protocol.

Current Activities



- Power Management Specifications: encourage voting
- MFD Alerts:
 - Resume effort extending Printer MIB alerts to MFDs
 - Include security alerts
- CMMI: Coherent MFD Management Interfaces
 - Identifies management interfaces applicable to MFDs
 - May identify compliance level(s)
- CIM Printer activity:
 - Maintain and Complete CIM Printer Classes
 - Start consideration of Printer Profile
 - Consider Extension of CIM activity to MFDs
- MPSA Interaction:
 - Continue to work on providing articles and surveys to Managed Print Services Association

Voting for PWG Candidate Standard Hardcopy Device Power



- The documents may be accessed at:
 - <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspower10-20110107.pdf>
- clean Power Model w/ line numbers
 - <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspowermib10-20110107.pdf>
- clean Power MIB w/ line numbers
 - <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspowermib10-20110107.mib>
- plaintext ASN.1 source for Power MIB
 - <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspowermib10-20110107-mib.pdf>
- color highlighted ASN.1 source for Power MIB w/ line numbers
- The PWG Last Call issues and resolutions is located at:
 - <ftp://ftp.pwg.org/pub/pwg/wims/wd/power-last-call-comment-resolution-20101115.txt>
- **VOTING PERIOD ENDS: Monday 14 February 2011.**

Potential WIMS Activities



- MFD MIB or MIB extensions
 - Many attempts, of varying completeness, started in the past, especially MFD Alerts – activity now resumed.
 - MFD group is addressing service semantics; need to address management elements –
- Proposed printer MIB integration document – Now Coherent MFD Management Interfaces activity started
- CIM Activities
 - Complete Printer Classes – activity resumed
 - CIM Printer Profile
 - MFD Elements
- Printer Port Monitor MIB?
 - update spec
 - interoperability testing ?
 - advance PPM to PWG standard ?

More Info/How to participate

- We welcome participation from PWG member companies and input from the user community
- The group maintains a Web Page and separate WIKI pages for WIMS and for CIM update
 - <http://www.pwg.org/wims/index.html>
 - <http://pwg-wiki.wikispaces.com/WIMS>
 - <http://pwg-wiki.wikispaces.com/WIMS-CIM>
- To subscribe to the WIMS mailing list, go to :
 - <https://www.pwg.org/mailman/listinfo/wims>

IPP Working Group Status

February 2, 2011

Wailea-Makena, HI

PWG F2F Meeting

IPP WG Officers



- IPP WG Co-Chairs:
 - Paul Tykodi (TCS)
 - Ira McDonald (High North)
- IPP WG Secretary:
 - Michael Sweet (Apple)
- IPP WG Document Editors:
 - Ira McDonald (High North) – IPP Version 2.0, IPP Everywhere Requirements, IPP Everywhere, IPP JPS3
 - Michael Sweet (Apple) – IPP Version 2.0, IPP Everywhere Requirements, IPP Everywhere, IPP JPS3, PWG Raster

IPP WG Status



- PWG Formal Vote for IPP/2.0 SE in progress
 - Voting ends February 14, 2011
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp20-20110110.pdf>
- How to Vote
 - Send email to:
 - msweet"at"apple"dot"com* (Mike Sweet, PWG Chair, IPP/2.0 SE Co-Editor)
 - ptykodi"at"tykodi"dot"com* (Paul Tykodi, PWG Secretary, IPP WG Co-Chair)
 - blueroofmusic"at"gmail"dot"com* (Ira McDonald, IPP WG Co-Chair, IPP/2.0 SE Co-Editor)
 - Put your vote in the subject:
 - IPP 2.0 SE Formal Vote-<company name>-<last name>-Yes*
 - IPP 2.0 SE Formal Vote-<company name>-<last name>-No*
 - IPP 2.0 SE Formal Vote-<company name>-<last name>-Abstain*

IPP WG Next Steps



- IPP 2.0/2.1/2.2 Interoperability Testing
 - Interoperability event in Q2/Q3 2011
- IPP Everywhere
 - Initial draft requirements in Q1 2011
 - Initial draft specifications in Q1 2011
 - PWG Last Call of Requirements in Q2 2011
 - Prototype draft specifications in Q3 2011
 - Interoperability event in Q4 2011

IPP WG Info / Participation



- We welcome participation from all interested parties
- IPP Working Group web page
 - <http://www.pwg.org/ipp/index.html>
- IPP Working Group wiki
 - <http://pwg-wiki.wikispaces.com/IPP>
- Subscribe to the IPP mailing list
 - <http://www.pwg.org/mailhelp.html>
- IPP WG holds bi-weekly phone conferences announced on the IPP mailing list
 - Next conference call is February 14, 2011 at 1pm (EST)

PWG Plenary Status Report IDS Working Group

February 2, 2011

Wailea-Makena, HI

PWG F2F Meeting

Joe Murdock (Sharp)

Brian Smithson (Ricoh)

Purpose of the effort



- The industry is moving beyond basic authentication for access to corporate networks to a more detailed assessment of the “health” of devices before allowing them to access the network.
 - Hardcopy Devices attach to networks, but there’s no standard set of metrics that is used to assess an HCD.
 - As a result, HCDs are treated as an exception and are allowed to attach to the network based solely on a MAC address.
- Hardcopy Devices are currently allowed unfettered access to and storage of secure and controlled documents. There is no standard for controlling document access and defining usage behavior for protecting secure documents.
- Hardcopy Devices are providing services to mobile devices running different operating system with different methods to consume Hardcopy service. Hardcopy Devices are extending their services as “cloud” resources, and consuming resources from the “cloud”. There is no standard or recommended methodology for authenticating and securing the mobile and hardcopy device, their services or the users consuming those services.
- Hardcopy Devices are providing and consuming services outside of the traditional concept of a local user on a physical device. There are currently no standards or recommendation for controlling or validating access to these services.
- Our goal is to provide the metrics and mechanisms that allow HCDs to fully participate in assessment-protected networks and provide secure, controlled access to documents and hardcopy services regardless of location or consumer.

Work Items for the WG



- What We're Doing
 - We are defining a standard set of metrics that can be measured or assessed in Hardcopy Devices to gauge if they should be granted access to a network.
 - We are providing recommendations for identifying and authenticating Hard Copy and mobile devices, services and users in a global workspace.
 - We are defining standard attributes and values for authorizing Hard Copy Devices, their services and users in a global workspace
 - We are defining a set of standard security attributes to be attached to mobile and remote imaging jobs
 - We are defining common log formats and values to facilitate automated log analysis.
- What We're NOT Doing
 - We are NOT defining any new assessment protocols, nor assessment extensions to existing authentication protocols.
 - We are NOT endorsing any of the competing network assessment protocols (TNC, NAC, NAP, NEA). Our goal is to enable Hardcopy Devices to participate in any/all of them.
 - We are NOT defining any new security protocols.

Administration



- IDS WG Chairs
 - Joe Murdock (Sharp)
 - Brian Smithson (Ricoh)
- IDS WG Secretary:
 - Brian Smithson (Ricoh)
- IDS WG Document Editors:
 - HCD-ATR: Jerry Thrasher (Lexmark)
 - HCD-NAP: Joe Murdock (Sharp), Brian Smithson (Ricoh)
 - HCD-TNC: Ira McDonald (Samsung), Jerry Thrasher (Lexmark), Brian Smithson (Ricoh)
 - HCD NAC Business Case: Joe Murdock (Sharp)
 - IDS-CR: Joe Murdock (Sharp), Ira McDonald (Samsung), Ron Nevo (Samsung)
 - HCD-Remediation: Joe Murdock (Sharp)
 - HCD-NAP-SCCM: Joe Murdock (Sharp)
 - HCD-Log: Mike Sweet (Apple)
 - IDS-Identification-Authentication-Authorization (IAA): Joe Murdock (Sharp)

Current Status



- HCD-Assessment-Attributes document
 - Stable. XML Schema is under review
- HCD-NAP Binding Document
 - Stable.
 - IDS-Common Requirements specification
 - Target completion date Q3, 2011
- HCD-TNC Binding Document is under development.
 - Target completion date of Q3, 2011.
- HCD-Remediation Specification is under development
 - Target completion date of Q3, 2011.
- HCD-NAP-SCCM specification
 - On hold
- HCD-Log Specification is under development
 - Target completion date of Q3, 2011.
- IDS-IAA specification is under development
 - Target completion date of Q3, 2011.
- MPSA IDS/NAC Article and survey published in November newsletter
- IEEE 2600.1 Supporting Document charter under development
 - Target completion date TBD

Current Activities

- HCD-TNC Binding Specification (Q3 2011)
 - Interaction with TCG Hardcopy Workgroup
 - IDS-Common Requirements specification (Q3 2011)
- HCD-Remediation specification (Q3 2011)
- HCD-NAP-SCCM Binding (on hold)
- HCD-Log (Q3 2011)
- IDS-Identification-Authentication-Authorization (Q3 2011)
- PWG Security Ticket (Q2 2011)
- IEEE 2600.1 supporting documents (for US NIAP TBD)

More Info/How to participate



- We welcome participation from PWG member companies and input from the user community
- The group maintains a Web Page and separate WIKI pages for IDS update
 - <http://www.pwg.org/ids/index.html>
 - <http://pwg-wiki.wikispaces.com/Imaging+Device+Security+WG>
- To subscribe to the IDS mailing list, go to :
 - <https://www.pwg.org/mailman/listinfo/ids>
- The group hold bi-weekly conference calls on Thursdays at 10:00AM PST/1:00PM EST.

Cloud Printing Status

Cloud Printing Status



- Based on yesterday's BOF discussions, want to form a new work group to develop standards
- Name: Cloud Printing Working Group?
- All MFD services?
- 3 documents: Model and Requirements, IPP Protocol Binding, REST/SOAP Protocol Binding
- 1 year development cycle to prototype-ready specifications
- Focus will be on "interactive" protocols like IPP and REST/SOAP but the design must not prevent implementation of bindings over "traditional" protocols like SMTP and FTP

PWG Process 3.0 for WG Formation



- A Working Group requires a minimum of three officers (Chair, Vice-Chair, and Secretary) and editors as needed to satisfy the Charter
 - The PWG Chair appoints the Chair of a Working Group, with approval (simple majority) at a PWG plenary (section 8.6)
 - The WG Chair appoints the Vice-Chair and Secretary of the WG, with approval (simple majority) of the WG
 - The WG Chair also appoints editors for WG documents
- A Working Group Charter is defined by the WG Chair (section 4.3)
 - Charter includes scope, milestones, schedule, documents, and expiration date
 - Note any formal affiliations or liaisons desired
 - Charter requires a PWG Formal Vote (section 8.3)

Today



- Agree on the general scope, schedule, documents, and expiration date for the WG charter
- Take nominations for a WG Chair (or Co-Chairs)
- PWG Chair collects a vote among voting members attending the Plenary to determine the WG Chair (or Co-Chairs)
- PWG Chair appoints the WG Chair (or Co-Chairs)

Prior to April Face-to-Face



- WG Chair solicits nominations/volunteers for Vice-Chair and Secretary
- WG Chair collects votes from WG participants for Vice-Chair and Secretary
- WG Chair appoints Vice-Chair and Secretary
- WG Chair drafts Charter for the WG
- After WG review, WG Chair announces a PWG Last Call for the charter (minimum 16 working days)
- After PWG Last Call, Steering Committee reviews the Last Call for process compliance
- After review, the PWG Secretary announces a PWG Formal Vote for the charter (minimum 16 working days)

Cloud Printing Resources



- Wiki page with link to mailing list:
 - <http://pwg-wiki.wikispaces.com/Cloud+Printing>

Liaison Status

AFP Consortium



- The AFP Consortium develops the Advanced Function Presentation architecture used primarily with mainframe computing:
 - <http://www.afpcinc.org/>
- Still in the very early stages, but want to align the AFP and PWG models

ISO JTC1 SC28



- ISO JTC1 SC28 is the ISO's office equipment working group:
 - <http://isotc.iso.org/livelink/livelink/open/jtc1sc28>
- Formal request for liaison sent earlier this year
- Request was considered at June SC28 meeting
 - Due to a clerical error, had to re-ballot (by mail), but got insufficient responses
 - Was brought up again at the January SC28 meeting

MPSA



- The Managed Print Services Association (MPSA) is an independent non-profit international organization that seeks to develop Managed Print Services (MPS) within the industry through Communications, Collaboration, Education and Best Practices.

<http://yourmpsa.org/>

- The PWG has agreed to provide a series of articles on our activities and concerns for the MPSA to make available to its membership. Each article will have an associated survey to solicit information on what information is of interest to MPS members and on specific issues of importance in PWG activities.
- Articles have been supplied and posted to the MPSA membership in October, November-December and January. Survey results have been obtained associated with the October and November-December articles.

MPSA – PWG Relationship



- The MPSA recently underwent a Management restructuring, and the new president, Joe Barganier has suggested that a written plan of the intended interaction be agreed to “so that things do not fall through the cracks moving forward”
- The PWG Steering Committee has agreed that a clearer statement of the relationship between the PWG and the MPSA was desirable, and is currently working on this statement.

TCG Overview



- TCG Website
 - <http://www.trustedcomputinggroup.org/>
- TCG Developer Resources
 - <http://www.trustedcomputinggroup.org/developers>
- TCG Description
 - The Trusted Computing Group (TCG) is a not-for-profit organization formed to develop, define and promote open, vendor-neutral, industry standards for trusted computing building blocks and software interfaces across multiple platforms
- TCG Membership Levels
 - TCG Promoter Member (\$55,000/year) – voting
 - TCG Contributor Member (\$16,500/year) – voting
 - TCG Adopter Member (\$8,250/year) – non-voting

TCG Workgroups



- Trusted Multi-Tenant Infrastructure (TMI) – NEW
- Authentication
- Hardcopy
- Infrastructure
- Mobile Phone
- PC Client
- Server Specific
- Storage
- Trusted Network Connect (TNC)
- Trusted Platform Module (TPM)
- TCG Software Stack (TSS)
- Virtualized Platform

TCG Trusted Multi-Tenant Infrastructure WG – NEW



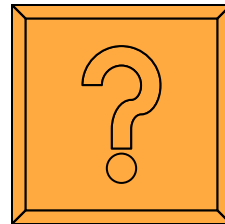
- Cloud Security – Trusted Multi-Tenant Infrastructure WG – chartered in 2010 to develop standards framework for implementing:
 - Shared infrastructures
 - Multi-provider infrastructures
 - Reference models and implementation guidance
 - Identify and address gaps in existing standards
- Objectives of Trusted Multi-Tenant Infrastructure WG
 - Enable consumers to assess the trustworthiness of provider systems
 - Enable real-time assessment of compliance as part of the provisioning process
 - Support real-time monitoring of compliance to agreed policy
 - Provide a reference implementation guidance framework of standards

TCG Hardcopy WG - Status



- Current work
 - Use Cases (trusted startup, trusted services, etc.)
 - Threats (disclosure, modification, etc.)
 - Requirements (secure data-at-rest, etc.)
- Next work
 - TCG Hardcopy Device Security
 - Use TCG standards (e.g., TNC, TPM, Opal secure drives)
 - Use PWG standards (e.g., PWG Scan Service w/ WS-Security)
 - Use IEEE 2600 HCD environments and security terminology
- Future work
 - TCG Hardcopy Device Authentication Framework ?
 - Extend PWG IDS Authentication Framework (w/ TCG technologies)
 - TCG Hardcopy Device Logging Framework ?
 - Extend PWG IDS Logging Framework (w/ TCG technologies)

Other Questions / Comments



Next PWG Meeting



- April 4-6 in Cupertino, CA (hosted by Apple)

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- Thank you ISTO for coordinating this meeting!