IPP Everywhere Self-Certification Manual

Status: Initial

Abstract: This document defines IPP Everywhere self-certification test procedures and the process required for registering the test results in order to use the "IPP Everywhere Certified" logo.

This document is a PWG Technical Brief. For a definition of a "PWG Technical Brief", see: ftp://ftp.pwg.org/pub/pwg/general/pwg-process30.pdf

This document is available electronically at:

ftp://ftp.pwg.org/pub/pwg/ipp/whitepaper/tb-ippeveselfcert10-20130310.docx

ftp://ftp.pwg.org/pub/pwg/ipp/whitepaper/tb-ippeveselfcert10-20130310.pdf

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Title: *IPP Everywhere Self-Certification Manual*

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The Printer Working Group (or PWG) is a Program of the IEEE Industry Standards and Technology Organization (ISTO) with member organizations including printer manufacturers, print server developers, operating system providers, network operating systems providers, network connectivity vendors, and print management application developers. The group is chartered to make printers and the applications and operating systems supporting them work together better. All references to the PWG in this document implicitly mean “The Printer Working Group, a Program of the IEEE ISTO.” In order to meet this objective, the PWG will document the results of their work as open standards that define print related protocols, interfaces, procedures and conventions. Printer manufacturers and vendors of printer related software will benefit from the interoperability provided by voluntary conformance to these standards.

In general, a PWG standard is a specification that is stable, well understood, and is technically competent, has multiple, independent and interoperable implementations with substantial operational experience, and enjoys significant public support.

For additional information regarding the Printer Working Group visit:

http://www.pwg.org

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**About the Internet Printing Protocol Work Group**

The Internet Printing Protocol (IPP) working group has developed a modern, full-featured network printing protocol, which is now the industry standard. IPP allows a print client to query a printer for its supported capabilities, features, and parameters to allow the selection of an appropriate printer for each print job. IPP also provides job information prior to, during, and at the end of job processing.

For additional information regarding IPP visit:

http://www.pwg.org/ipp/

Implementers of this specification are encouraged to join the IPP mailing list in order to participate in any discussions of the specification. Suggested additions, changes, or clarification to this specification, should be sent to the IPP mailing list for consideration.

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1. Introduction

The Internet Printing Protocol supports all kinds of printing from low-end consumer through multi-room production printers. The IPP Everywhere project developed a new baseline specification [PWG5100.14] that enables printing from arbitrary clients using vendor-neutral driver software. In order to allow vendors to market their conformance to the new specification and consumers to easily determine which printers are compatible with their clients, the Printer Working Group has developed this technical brief which defines a series of self-certification tests that must be performed successfully in order to use the IPP Everywhere Certified logo.

* 1. Reporting Problems

Description of where to go to report problems in this document and/or in the test tools.

1. Terminology
   1. Conformance Terminology

Capitalized terms, such as MUST, MUST NOT, RECOMMENDED, REQUIRED, SHOULD, SHOULD NOT, MAY, and OPTIONAL, have special meaning relating to conformance as defined in Key words for use in RFCs to Indicate Requirement Levels [RFC2119]. The term CONDITIONALLY REQUIRED is additionally defined for a conformance requirement that applies to a particular capability or feature.

* 1. Other Terminology

*Capitalized Term In Italics*: defininition of the term with any references as appropriate.

* 1. Acronyms and Organizations

*IANA*: Internet Assigned Numbers Authority, http://www.iana.org/

*IETF*: Internet Engineering Task Force, http://www.ietf.org/

*ISO*: International Organization for Standardization, http://www.iso.org/

*PWG*: Printer Working Group, http://www.pwg.org/

1. Requirements
   1. Rationale for Title of Document

Provide a rationale for the document.

* 1. Use Cases

Provide use cases for the document in subsections using the casual use case format.

* 1. Out of Scope

The following are considered out of scope for this specification:

1. Definition of foo
2. Protocols for bar
3. Requirements for bla
   1. Design Requirements

The design requirements for this specification are:

1. Define attributes for foo and bar
2. Define operations for bla
3. Register all attributes and operations with IANA

The design recommendations for this specification are:

1. Support additional "nice to have" use cases

1. Bonjour Test Procedure
   1. Test Description

Description of all of the tests that are run

* 1. Setup and System Requirements

Where to download test tool

System requirements for running test tool

* 1. Running Test Tool

Instructions for running test tool.

* 1. Interpreting Results

Description of the output of the test tool.

1. WS-Discovery Test Procedure
   1. Test Description

Description of all of the tests that will be run.

* 1. Setup and System Requirements

Where to download test tool

System requirements for running test tool

* 1. Running Test Tool

Instructions for running test tool

* 1. Interpreting Results

Description of the output of the test tool

1. IPP Test Procedure
   1. Test Description

Description of all of the tests that will be run

* 1. Setup and System Requirements

Where to download test tool

System requirements for running test tool

* 1. Running Test Tool

Instructions for running test tool

* 1. Interpreting Results

Description of the output of the test tool

1. Submission of Test Report

Instructions for submitting the test report (results of all tests) to the ISTO/PWG.

1. References
   1. Normative References

[REFERENCE] F. Last author list or standards body, "Title of referenced document", Document Number, Month YYYY, URL (if any)

[RFC2119] S. Bradner, "Key words for use in RFCs to Indicate Requirement Levels", RFC 2119/BCP 14, March 1997, http://www.ietf.org/rfc/rfc2119.txt

* 1. Informative References

[REFERENCE] F. Last author list or standards body, "Title of referenced document", Document Number, Month YYYY, URL (if any)

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The authors would also like to thank the following individuals for their contributions to this standard:

Bueler?

1. Release History

This section will contain a list of high-level changes for quarterly? releases of the technical brief.

1. Change History
   1. March 10, 2013

Initial revision.