

## Status of All 32 IPP Documents, 01/20/0311/1/02

File: ftp://ftp.pwg.org/pub/pwg/ipp/status-of-ipp-docs-030120021101.pdf, .doc, -latest.pdf, .doc  
From: Tom Hastings

*Note: The status of IPPFAX and PDF/IS documents are not tracked by this document, since they are a separate PWG project to the PWG project (though closely related).*

There are 75 ISSUES highlighted like this that should be reviewed at the PWG meeting.

Revision marks like this show the differences between this November 1, 2002 January 20, 2003 Status and the November 1, 2002 June 25, 2002 Status.

The status of the IETF documents is as of the IESG Status page, updated January 20, 2003. See: <http://www.ietf.org/IESG/status.html> and the ID Status Tracker on January 20, 2003. See: <https://datatracker.ietf.org/public/pidtracker.cgi> Search with "WG Acronym" = 'IPP'.

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### 1 Published IPP RFCs (that haven't been obsoleted):

1. RFC 2567 Design Goals for an Internet Printing Protocol. F. Wright. April 1999. (Format: TXT=90260 bytes) (Status: EXPERIMENTAL)
2. RFC 2568 Rationale for the Structure of the Model and Protocol for the Internet Printing Protocol. S. Zilles. April 1999. (Format: TXT=23547 bytes) (Status: EXPERIMENTAL)
3. RFC 2569 Mapping between LPD and IPP Protocols. R. Herriot, Ed., T. Hastings, N. Jacobs, J. Martin. April 1999. (Format: TXT=57886 bytes) (Status: EXPERIMENTAL)  
**ISSUE 01: IETF EXPERIMENTAL documents become historic which is a lower status than OBSOLETE. Should we re-issue these 3 above documents as Informational and revised for IPP/1.1?**
4. RFC 2910 Internet Printing Protocol/1.1: Encoding and Transport. R. Herriot, Ed., S. Butler, P. Moore, R. Turner, J. Wenn. September 2000. (Format: TXT=100599 bytes) (Obsoletes RFC2565) (Status: PROPOSED STANDARD)

5. RFC 2911 Internet Printing Protocol/1.1: Model and Semantics. T. Hastings, Ed., R. Herriot, R. deBry, S. Isaacson, P. Powell. September 2000. (Format: TXT=575805 bytes) (Obsoletes RFC2566) (Status: PROPOSED STANDARD)
6. RFC 3196 Internet Printing Protocol/1.1: Implementor's Guide. T. Hastings, C. Manros, P. Zehler, C. Kugler, H. Holst. November 2001. (Format: TXT=200720 bytes) (Obsoletes RFC2639) (Status: INFORMATIONAL)
7. RFC 3239 Internet Printing Protocol (IPP): Requirements for Job, Printer, and Device Administrative Operations. C. Kugler, H. Lewis, T. Hastings. February 2002. (Format: TXT=29532 bytes) (Status: INFORMATIONAL)

## 2 Newly published RFCs, September 2002:

8. RFC3380 "Internet Printing Protocol (IPP): Job and Printer Set Operations", Hastings, T., Herriot, R., Kugler, C., and H. Lewis, RFC 3380, September 2002, (was [set-ops]).
9. RFC3381 "Internet Printing Protocol (IPP): Job Progress Attributes", Hastings, T., Lewis, H., and R. Bergman, RFC 3381, September 2002, (was [job-prog]).
10. RFC3382 deBry, R., Hastings, T., Herriot, R., Ocke, K., and P. Zehler, "Internet Printing Protocol (IPP): The 'collection' attribute syntax", RFC 3382, September 2002, (was [coll]).

## 3 Obsoleted RFCs

11. RFC2565 "Internet Printing Protocol/1.0: Encoding and Transport", Herriot, R., Butler, S., Moore, P., and R. Turner, RFC 2565, April 1999. Obsoleted by RFC 2910.
12. RFC2566 "Internet Printing Protocol/1.0: Model and Semantics", R. deBry, T. Hastings, R. Herriot, S. Isaacson, and P. Powell, RFC 2566, April 1999. Obsoleted by RFC 2911.
13. [RFC2639 "Internet Printing Protocol/1.0: Implementer's Guide", Hastings, T., and C. Manros, July 1999. Obsoleted by RFC 3196.](#)

## 4 IPP WG IETF Standards Track IPP Internet-Drafts

These are the Internet-Drafts that are still on the Standards Track as submitted by the IETF IPP WG:

14. "Internet Printing Protocol: Requirements for IPP Notifications", T. Hastings, R. Bergman, R deBry, 07/23/2001, <draft-ietf-ipp-not-06.txt> (Informational)  
Status: Completed IESG Last Call: APR 7, 2002;  
IESG comments, if any, have not been received yet;

(Started IESG Last Call: MAR 8, 2002)

[IESG Status Tracker \(2003-01-20\): "Last Call Requested" on 2003-01-17.](#)

15. "Internet Printing Protocol (IPP): IPP Event Notifications and Subscriptions", R. Herriot and T. Hastings, , [6/2710/10/2002](#), <draft-ietf-ipp-not-spec-[1009](#).txt> (Proposed standard)

Status: Completed IPP WG Last Call (again), July 2002. Updated and published I-D, 10/10/02 AD contacted to progress this and IPPGET through IESG Last Call.

[IESG Status Tracker \(2003-01-20\): "Last Call Requested" on 2003-01-17.](#)

16. "Internet Printing Protocol (IPP): The 'ippget' Delivery Method for Event Notifications", R. Herriot, T. Hastings, and H. Lewis, [10/106/27/2002](#), <draft-ietf-ipp-notify-get-[0807](#).txt> (Proposed standard)

Status: Completed IPP WG Last Call, July 2002. Updated and published I-D, 10/10/02. AD contacted to progress IPPGET and the Base Notification spec through IESG Last Call.

[IESG Status Tracker \(2003-01-20\): "Last Call Requested" on 2003-01-17.](#)

17. "Internet Printing Protocol (IPP): Job and Printer Administrative Operations", T. Hastings, R Bergman, Carl Kugler, 07/23/2001, <draft-ietf-ipp-ops-set2-03.txt> (Proposed standard)

Status: [The IESG Status page 1/20/03 lists this I-D under "IESG Evaluation", no date, but Note: "IESG feedback returned to WG 20-Jun-2002; new ID needed with improved security considerations section" AD comment: Need to fix the Security section, June 20, 2002, T. Hastings working on.](#)

18. "IPP URL Scheme", R. Herriot, Ira McDonald, 05/20/2002, <draft-ietf-ipp-url-scheme-05.txt> (Proposed standard) Status: Completed IESG Last Call: January 19, 2002; Status: 5/20/02: Updated version sent to the IESG in response to the IESG Last Call comments

[IESG Status Tracker \(2003-01-20, Status modified: 2003-01-17\): "IESG Evaluation :: AD Followup" 2002-12-20 with the Note: "Waiting for Patrik to clear discuss".](#)

## 5 IETF IPP Documents submitted by individuals

These are the Internet-Drafts that are still on the Standards Track as submitted by individuals:

19. "LDAP Schema for Printer Services", K Jones, R Bergman, Ira McDonald, P Fleming, [02/156/30/2002](#) <draft-fleming-ldap-printer-schema-[021](#).txt> (Informational)

Status: Entered IESG Last Call: February 20, 2002;

Completed IESG Last Call: March 21, 2002;

Received IESG comments, [published updated I-D, June 30, 2002.](#)

[IESG Status Tracker \(2003-01-20, Status modified: 2002-07-29\): Needs outside Expert Review. Note: "In LDAP Directorate for review Responsible: paf"](#)

[ISSUE 02: Still lost in the IESG. As of December 2002, the authors are trying to withdraw it from the IESG and make it a PWG standard, since a number of standards](#)

make normative references to it. Does the PWG agree to withdraw from the IETF as an Informational RFC? Then, when it is published by IEEE-ISTO, submit it as an Informational RFC referencing the work of another group. This LDPA schema has been shipped in a number of products since 2001.

## 6 IPP Internet-Drafts no longer on the IETF Standard Track

If further activity is desired, they can be pursued as PWG IEEE-ISTO standards:

20. "Internet Printing Protocol (IPP): Printer Installation Extension", T. Hastings, Hugo Parra, Ted Tronson, 07/23/2001, <draft-ietf-ipp-install-04.txt> (Proposed standard)  
Status: Started IESG Last Call (IESG Protocol Action): April 5, 2002  
ISSUE 03: 4/18/02: The AD said the security model is all wrong; the client needs to be able to protect itself.  
The IESG Status page 1/20/03 lists this I-D under "AD Evaluation", with an April 18 date, but no note.  
The IPP WG is withdrawing this work item from the IETF standards track.
21. "Internet Printing Protocol (IPP):The 'indp' Delivery Method for Event Notifications and Protocol/1.0", T. Hastings, Hugo Parra, 07/23/2001, <draft-ietf-ipp-indp-method-06.txt> (Proposed standard)  
PWG Status: Completed IESG Last Call: JAN 19, 2002;  
The IESG has some confidentiality and authentication issues with INDP.  
The IESG Status page 1/20/03 lists this I-D under "AD Evaluation" has a 2001-12-20 date.  
PWG Status: IPP WG is withdrawing progressing this on the IETF Standards track.  
ISSUE 04: Should we make INDP a PWG IEEE-ISTO standard?  
ISSUE 04a: If so, who is the champion?
22. "Internet Printing Protocol (IPP): The 'mailto:' Delivery Method for Event Notifications", T. Hastings, R. Herriot, Carl-Uno Manros, Henrik Holst, 07/23/2001, <draft-ietf-ipp-notify-mailto-04.txt> (Proposed standard)  
Status: The IESG has some confidentiality and authentication issues and recommends SASL and Digest MD-5, (MUST implement, SHOULD use) for use with MAILTO for authentication.  
IPP WG is withdrawing progressing this on the IETF Standards track, though the IESG  
The IESG Status page 1/20/03 lists this I-D under "AD Evaluation", but with no date or note.  
ISSUE 05: Should we make ~~INDP-mailto~~ a PWG IEEE-ISTO standard?  
ISSUE 05a: If so, who is the champion?

## 7 Approved **Proposed** PWG IEEE-ISTO IPP standards

This section lists the approved PWG Proposed IPP Standards that have been approved by PWG Last Call.

23. IEEE-ISTO 5100.1-2001 [finishing] "Internet Printing Protocol (IPP): "finishings" attribute values extension", Hastings, T., and D. Fullman, February 5, 2001, <ftp://ftp.pwg.org/pub/pwg/standards/pwg5100.1.pdf>  
[This is a PWG Proposed Standard published on February 5, 2001](#)  
 Proposed Update 10/30/02:  
[ftp://ftp.pwg.org/pub/pwg/ipp/new\\_VAL/pwg-ipp-finishings-latest.pdf](ftp://ftp.pwg.org/pub/pwg/ipp/new_VAL/pwg-ipp-finishings-latest.pdf)
24. IEEE-ISTO 5100.2-2001 [output-bin], "Internet Printing Protocol (IPP): output-bin attribute extension", Hastings, T., and R. Bergman, February 7, 2001, <ftp://ftp.pwg.org/pub/pwg/standards/pwg5100.2.pdf>  
[This is a PWG Proposed Standard published on February 7, 2001](#)  
 Proposed Update 10/30/02:  
[ftp://ftp.pwg.org/pub/pwg/ipp/new\\_ATT/pwg-ipp-output-bin-latest.pdf](ftp://ftp.pwg.org/pub/pwg/ipp/new_ATT/pwg-ipp-output-bin-latest.pdf)
25. IEEE-ISTO 5100.3-2001 [prod-print], "Internet Printing Protocol (IPP): Production Printing Attributes - Set1", Ocke, K., and T. Hastings, February 12, 2001, <ftp://ftp.pwg.org/pub/pwg/standards/pwg5100.3.pdf>  
[This is a PWG Proposed Standard published on February 12, 2001](#)  
 Errata posted, August 25, 2002:  
[ftp://ftp.pwg.org/pub/pwg/ipp/new\\_PPE/pwg5100.3-with-errata-020825.pdf](ftp://ftp.pwg.org/pub/pwg/ipp/new_PPE/pwg5100.3-with-errata-020825.pdf)
26. IEEE-ISTO 5100.4-2001 [override], "Internet Printing Protocol (IPP): Override Attributes for Documents and Pages", Herriot, R., and K. Ocke, February 7, 2001, [This is a PWG Proposed "Trial Use" standard published on February 7, 2001.](#)  
[ISSUE 06: The cover page says: "This document is an IEEE-ISTO PWG Trial Use Standard. For a definition of a "PWG Trial Use Standard", see: <ftp://ftp.pwg.org/pub/pwg/general/pwg-process.pdf>." But the pwg-process standard doesn't say anything about "Trial Use". The idea was when the Last Call was approved to wait to see whether it was implemented. There has not been any interop](#)  
<ftp://ftp.pwg.org/pub/pwg/standards/pwg5100.4.pdf>

## 8 Working Drafts of Proposed PWG IEEE-ISTO IPP standards

The following [PWG Working Drafts to become](#) PWG Proposed standards are in various states of progression. They will be assigned IEEE-ISTO numbers in the 5100 series, after they have passed PWG Last Call [to become a PWG Proposed Standard](#). In the meantime, the suggested symbolic reference is indicated inside square brackets.

- [27.](#) [doc-obj], "Internet Printing Protocol (IPP): Document Object, Hastings, T. and P. Zehler, version 0.65, [January 13, 2003](#)~~[October 25, 2002](#)~~, work in progress,  
[Contains some new attributes used in PSI and UPnP and the PWG Semantic Model: document-format-detail \(collection\), document-format-detected, media-type, media-name-size, job-mandatory-attributes](#)  
[ftp://ftp.pwg.org/pub/pwg/ipp/new\\_DOC/pwg-ipp-document-object-latest.pdf](ftp://ftp.pwg.org/pub/pwg/ipp/new_DOC/pwg-ipp-document-object-latest.pdf)

28. [not-srv], “Distributed Notification Service and IPPGET Client Behavior”, Hastings, T., Lewis, H., and I. McDonald, October 10, 2002, work in progress, [ftp://ftp.pwg.org/pub/pwg/ipp/new\\_NOT/ipp-dist-not-service-021010.pdf](ftp://ftp.pwg.org/pub/pwg/ipp/new_NOT/ipp-dist-not-service-021010.pdf)  
**ISSUE 07: for the IPPFAX WG, which is REQUIRING support of IPPGET Delivery Method: Is redirection an option of an IPPFAX Receiver? If yes, then the IPPFAX Sender MUST support redirection as specified in this document.**
29. [prod-print2], “Production Printing Attributes – Set 2”, Hastings, T., and D. Fullman, September 27, 2002, work in progress, [ftp://ftp.pwg.org/pub/pwg/ipp/new\\_PPE/pwg-ipp-prod-print-set2-draft-v0\\_1-020821.pdf](ftp://ftp.pwg.org/pub/pwg/ipp/new_PPE/pwg-ipp-prod-print-set2-draft-v0_1-020821.pdf)
30. [color], “Color and Imaging Attributes”, Hastings, T., and D. Fullman, October 8, 2002, work in progress, [ftp://ftp.pwg.org/pub/pwg/new\\_COLOR/pwg-ipp-color-and-imaging-021008.pdf](ftp://ftp.pwg.org/pub/pwg/new_COLOR/pwg-ipp-color-and-imaging-021008.pdf)  
[A lot of work is going on with this document using color scientists from HP, EFI, and Xerox. This work is joint CIP4/PODi/FSG/PWG. CIP4 is the Cooperation International for Pre-press, Press, and Post-press processes. PODi is the Print On Demand Initiative \(www.podi.org\). FSG is the Free Software Standards group developing Linux standards. Even in CIP4 is it joint work between the Digital Printing WG and the Color Workflow WG. Similarly, in the PWG it is joint IPP and Semantic Model WG, with the review messages being sent to the SM DL only. We are also mapping these IPP attributes to JDF/1.1a and extending JDF to make JDF/1.2 to have all of the IPP color and imaging attributes. In doing this mapping we are making some additions and changes to the IPP specification. The latest mapping spec is available at \[ftp://ftp.pwg.org/pub/pwg/fsg/jobticket/IPP\\\_Mapping/ippjdf-mapping-latest.doc\]\(ftp://ftp.pwg.org/pub/pwg/fsg/jobticket/IPP\_Mapping/ippjdf-mapping-latest.doc\)](#)
31. [actual] Internet Printing Protocol (IPP), “-actual” attributes extension, Carney, D., and H. Lewis, work in progress, [Version 0.3, December 16, 2002](#)~~October 18, 2002~~.  
[Last Call announced January 9, closing 5:00 PM EST Jan 30, 2003](#)  
[ftp://ftp.pwg.org/pub/pwg/ipp/new\\_ACT/pwg-ipp-actual-attribs-latest.pdf](ftp://ftp.pwg.org/pub/pwg/ipp/new_ACT/pwg-ipp-actual-attribs-latest.pdf)~~IPP-actual-attributes.pdf~~
- ~~32. [mime\_parm] Internet Printing Protocol (IPP), “PWG MIME Standard parameters for Document Formats”, McDonald, I., and T. Hastings, work in progress, proposed in an email note to PSI DL, October 25, 2002, [Merged into IPP Document object specification \(see the document-format-details \(collection\) attribute in item #27 above\).](#)~~
32. [pnsp], “Internet Printing Protocol (IPP): Distributed Notification Service - Printer to Notification Server Protocol (PNSP)”, I. McDonald, <draft-mcdonald-ipp-dist-not-pnsp-00.txt>, work in progress, September 25, 2002, not distributed to any DL yet.