

# Internet Printing Protocol WG Conference Call Minutes

## January 9, 2012

Meeting was called to order at approximately 1:00pm Eastern time January 9, 2012.

### Attendees

Danny Brennan  
Nancy Chen (Oki Data)  
Justin Hutchings (Microsoft)  
Ira McDonald (High North/Samsung)  
Ron Nevo (Samsung)  
Glen Petrie (Epson)  
Michael Sweet (Apple)  
Paul Tykodi (TCS)  
Larry Upthegrove (End User)  
Bill Wagner (TIC)  
Rick Yardumian (Canon)  
Pete Zehler (Xerox)

### Agenda Items

1. IP Policy and Minute Taker
  - a. Policy accepted with Mike taking the minutes
2. Review of previous face-to-face minutes:
  - a. <ftp://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20111206.pdf>
  - b. Approved as posted
3. Status of IANA IPP Registry corrections
  - a. <http://www.iana.org/assignments/ipp-registrations>
  - b. Amanda Baber (IANA) completed these on 20 December 2011
4. Status of other IPP Everywhere specs
  - a. Updates coming out for JPS3 and IPP Everywhere 1.0 before next concall
  - b. Update for LDAP before F2F
5. PWG Print Job Ticket - conditional PWG Raster requirements
  - a. should these be in PJT at all? or just in PWG Raster?
  - b. Pete Zehler needs closure to move PJT into PWG Last Call
  - c. Make all raster-specific elements OPTIONAL
  - d. Make DocumentFormatDetails/Supported OPTIONAL in PJT, REQUIRED in PWG Raster/wherever that reference PJT
  - e. Make DocumentFormatSupported REQUIRED in PJT
  - f. Still have normative references to PWG Raster and JPS3 (holding the vote on PJT until those documents have gone through...)
6. PWG Raster
  - a. <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp raster10-20111202-rev.pdf>
  - b. Section 1:
    - Line 179: Drop reference to charter, "The objective of the PWG IPP Everywhere project ..."
    - Line 184: "This specification" or "This document" instead of "This standard" (do a global search)
  - c. Section 2.1: Add CONDITIONALLY REQUIRED and RECOMMENDED definitions
  - d. Section 3.1:
    - Line 231: "The PWG IPP Everywhere project NEEDS a standard ..."

- e. Section 3.2.4:
  - Line 297: "USB print class", not printer
  - Lines 300-301: "into a raster format with embedded page processing instructions to send to the printer."
- f. Section 3.3:
  - Line 314: "Definition of legacy interface bindings to be used with the PWG Raster Format."
- g. Section 3.4:
  - Add design requirement #4: "Ability to specify per-page processing instructions derived from a subset of the PWG Print Job Ticket."
  - "The PWG Raster Format design requirements are:" and "The PWG Raster Format design recommendations are:"
- h. Action: Mike to add "media-size-name" member attribute to "media-col" in JPS3
- i. Action: Pete to add "MediaSizeName" to MediaCol in PJT, move MediaSource out of the MediaSize/SizeName/Source choice since source is often used in conjunction with size on non-production printers (i.e. print envelopes from bypass tray)
  - MediaSource is only in MediaCol
  - Media (top-level element) can have a size or source name registered with IANA or a self-describing name (PWG 5101.1)
  - Add reference to RFC 2911 for Media and MediaType
  - Make sure IANA registered and 5101.1 names are all in the well-known values list for Media and MediaType
- j. Section 4.3.19:
  - Lines 414-416: Also reference Quality element in PrintDocumentProcessing
  - Add table for SM Keywords
- k. Section 4.3.2.7: Add table for Sides, PwgRasterDocumentSheetBack, and Cross/FeedTransform values
- l. Section 4.3.2.9:
  - Rename "BlackPrimary" to "AlternatePrimary"
  - Update text: "The AlternatePrimary field specifies the color to use for bi-level or monochrome page bitmaps as an sRGB color value."
  - Change wording of remainder to talk about black (ColorSpace=3) and include calculation
- m. Section 4.3.3:
  - Change to "Page Processing Instruction Fields"
  - Fix any references to job ticket field values to page processing instruction fields
- n. Section 4.3.3.1: Drop Collate (here and in the master table)
- o. Section 4.3.3.9:
  - Line 555: MediaWeight -> MediaWeightMetric
- p. Section 5.1:
  - Action: Pete to generate XML spy picture for Figure 4 PwgRasterDocument elements
  - Add Units to Resolution in Table 9
- q. Stopped at section 5.1.2.

## Next Steps / Open Actions

- Next IPP conference call January 23, 2012 at 1:00pm (ET)
- Finish PWG Raster at next Cloud Imaging conference call January 17, 2012 at 2:00pm (ET)
- Ira to post updated LDAP Schema RFC before February 2012 F2F
- Mike to post updated JPS3 and IPP Everywhere 1.0 specs before next concall

- Action: Mike to add "media-size-name" member attribute to "media-col" in JPS3
- Action: Pete to add "MediaSizeName" to MediaCol in PJT, move MediaSource out of the MediaSize/SizeName/Source choice since source is often used in conjunction with size on non-production printers (i.e. print envelopes from bypass tray)
- Action: Pete to generate XML spy picture for Figure 4 PwgRasterDocument elements
- Action: Mike to adopt CONDITIONALLY REQUIRED in JPS3, PWG Raster, and IPP Everywhere 1.0 (ONGOING)
- Action: Mike to add job-error-action Job Template attribute to JPS3 (ONGOING)
- Action: Mike to fix operations table in IPP registry (ONGOING)
- Action: Mike to add Validate-Document operation to JPS3 based on Validate-Job (no document content but optional URI) (ONGOING)
- Action: Mike to make HTTP If-Modified-Since header support REQUIRED in IPP Everywhere (ONGOING)
- Action: Mike to update ABNF references to [STD68] in all drafts (ONGOING)
- Action: Ira and Mike to review 5100.x specs to remove action items, fix boilerplate copyright text in early specs, fix header/footer/document titles as needed, and fix normative references to drafts, etc. (ONGOING)
- Action: Mike to send Ira the new XML and a diff (ONGOING - this week)
- Action: Mike to add printer-charge-info to table in IPP Everywhere 1.0, add conformance requirements for LDAP, note LDAP/SLP limitations on string lengths (127 or 255 octets) (ONGOING)
- Action: Mike to add note for DNS-SD TXT record limits (ONGOING)
- Action: Mike to add printer-device-id discussion to require required key/value pairs first to avoid issues with truncation by directory services (ONGOING)
- Action: Ira to check matching rule OIDs on lines 1766-1772 of the LDAP schema RFC (ONGOING)
- Action: Ira to send number-up-supported fix to IANA (DONE)
- Action: Ira and Mike to work with IANA to update registry to include a "set allowed" column for attributes (ONGOING)
- Action: Ira and Glen to send additions from JDF and JTAPI to Mike (ONGOING - Glen sent a bunch, Ira will send as part of mapping work)
- Action: Mike and Paul to reach out to label/portable printer vendors to join IPP WG discussions (ONGOING - both to send summary to ipp list and details to SC list)