

## IPP WG Face-to-Face Minutes February 2, 2011

Meeting was called to order at approximately 9:00 am local February 2, 2011.

### Attendees

Ron Bergman  
Nancy Chen (Oki Data)  
Peter Cybuck (Kyocera)  
Peter Reibert Hansen (MPI Tech - call in)  
Niels Hoy (MPI Tech - call in)  
Constantinos Kardamilas (Samsung)  
Ira McDonald (High North/Samsung - call in)  
Andrew Mitchell (HP)  
Joe Murdock (Sharp)  
Ron Nevo (Samsung)  
Tyler Odean (Google)  
Shin Ohtake (Fuji-Xerox)  
Glen Petrie (Epson - call in)  
Sanjeev Radhakrishnan (Google)  
Ole Skov (MPI Tech - call in)  
Brian Smithson (Ricoh - call in)  
René Sondergaard (MPI Tech - call in)  
Michael Sweet (Apple)  
Jerry Thrasher (Lexmark)  
Randy Turner (Amalfi)  
Paul Tykodi (TCS - call in)  
Peter Ultved (MPI Tech - call in)  
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. Approve IPP minutes from last meeting
  - a. <ftp://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20110124.pdf>
  - b. Approved with no changes
3. Charter update
  - a. Updated charter link is bad
  - b. Milestones to be discussed at end
4. IPP Certification
  - a. Who is the Printing Industries of America? Probably not the right organization
  - b. Do we want IPP Certification?
    - Will certification be useful for business?
    - Save money - possibly reduced call volume
    - Make money - not going to sell new printers?
    - Cool new technology - no PWG marketing arm, so no awareness
  - c. Paid third-party certification vs. self-certification
    - No interest in paid certification
    - Self-certification might be useful/acceptable
    - Action: Paul to check with AFP consortium to see how their program is going
    - Issue: Do we have bandwidth to support a self-certification program?
    - Issue: PWG doesn't have a software development process
    - Issue: PWG doesn't have legal/marketing framework for logo program
  - d. Not an IPP logo - needs to be a better marketing logo/name to address the markets that will use it
  - e. To be useful, needs to apply both to Printer and Device/PC vendors
  - f. Consensus is to not turn PWG into a trade organization or add a marketing arm

- g. Self-certification for technical/interoperability reasons is still desirable
- 5. IPP Everywhere - JPS3
  - a. Color Management
    - One required print-rendering-intent value
    - Profiles printer-resident or from a list of well-known (durable) URIs (such as sRGB)
    - Both attributes required
  - b. Print Color Mode
    - Objection to "bi-level" due to MIB mapping issues, but consistent with semantic model name "BiLevel"
    - Add "highlight" = 1-color plus black
    - "bi-level" = 1 color threshold output (typically black)
    - "process-monochrome" = process grayscale
    - "process-bi-level" = process threshold black
    - 1-ink/toner vs. 1-color
  - c. Media Selection
    - Would not need to provide non-borderless sizes, but recommended if there are performance/quality differences
    - media-source - should we call it media-tray, or just provide a pointer to input-tray definition in PWG media? OK to leave it media-source, and just point to the older definitions of tray
    - OK to have first-class media-\*supported attributes
  - d. Get-Printer-Attributes filtering based on arbitrary job template attributes
    - Develop the idea, no objections in concept
    - Duplex+ inkjet printers often have different margins
    - Important to cover known use cases beyond duplex margins
  - e. Full bleed
    - No objections to proposal
  - f. Conflict Resolution
    - Optional
    - No objections to job-constraints-supported or job-resolvers-supported
    - Objection to providing a standard order of precedence for resolving constraints - added complexity without much gain if we have the job-\*supported and job-mandatory-attributes attributes
    - Possibly consider specific pairs of job template attributes for standard behavior/precedence
  - g. Printer Marco Polo
    - Accessibility concerns: legal requirements for specifying what kind of action - lights, sounds, text, etc?
    - Add missing requesting-user-name
    - Conditionally required printer-supported attribute for supported identifications and -defaults attribute for default identifications(s)
    - Optional operation attribute to request type(s) of identification
    - Print a page as another type of identification
  - h. Preferred Raster Resolution
    - Alternative to filtered Get-Printer-Attributes?
    - Use xxx-preferred for more stuff, defined like xxx-actual?
    - Older clients will just ignore the new attributes in the response
    - Also helps to define conflict resolution values
    - xxx-preferred become xxx-actual after job creation
    - Always have a preferred value or no preferred value when there is a constraint
  - i. IPP Scan
    - Potential overloading issues for ipp URI scheme
    - Split "is it worth doing" from proposal
    - Consensus is yes, worth doing
    - IPP Scan will define updates to MFD Scan; consistent with but extending existing model
    - Next steps:
      - Andrew: principle editor of IPP Scan
      - Ira: co-editor
      - Pete: update MFD Scan
      - Ira/Mike: Add IPP Scan to IPP Everywhere Charter
      - Develop use cases to verify that proposal covers requirements
- 6. IPP Everywhere - PWG Raster
  - a. Concerns about CUPS Licensing and Apple Letter of Assurance

- Apple will provide LOA with RAND-Z (free) terms
- b. Questions about copyright status of spec content
  - May be better to put all spec material in the PWG spec
- c. Review of draft:
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp-raster10-20110126.pdf>
  - Title change: IPP Subset of CUPS Raster -> PWG Raster Format
  - Not just for printing
  - Add background information
  - Update rationale
  - "De-Printerize" and "De-CUPS"
  - image/pwg-raster
  - Add required color spaces, etc. column to table 1, footnote for color/B&W printers
  - ipp-raster-xxx to pwg-raster-xxx
  - ipp-raster-resolutions-supported: Add non-symmetric example and make non-printer-specific (i.e. scan)
  - Issue: No transform or image box information in page header; maybe provide as separate job template attributes or in revised file format
  - Need conformance requirements for producer and consumer of PWG Raster separate from IPP requirements
  - I18N Considerations: Does not apply since there are no text strings.
  - Security Considerations: Reference 2911?
  - Add 9.1 MIME Media Type Registration
  - Change Controller - PWG, official address at ISTO?
- 7. IPP Everywhere - Proximity
  - a. Did not get to this
- 8. IPP Everywhere - Requirements Outline
  - a. Did not get to this
- 9. Next Steps
  - a. Update charter - no requirements, add IPP Scan, add IPPS URI Scheme and Transport Binding, add PWG Raster Format
  - b. Milestones:
    - Q1 2011 for initial draft of PWG Raster Format
    - Q1 2011 for initial draft of IPP JPS3
    - Q2 2011 for initial draft of IPP Scan
    - Q2 2011 for initial draft of IPP Everywhere
    - Q2 2011 for prototype draft of PWG Raster Format
    - Q3 2011 for prototype draft of IPP JPS3
    - Q3 2011 for prototype draft of IPP Everywhere
    - Q4 2011 for IPP Everywhere interoperability event
    - Q4 2011 for prototype draft of IPP Scan
    - PWG Last Call for the following quarters
    - Q3 2011? for review of IPPS URI Scheme and Transport Binding
    - Q3 2011 for IPP 2.0/2.1 interoperability event
    - Q1 2012 for IPP 2.2 interoperability event
  - c. Post draft of JPS3 and updated draft of PWG Raster

## Next Steps / Open Actions

- Next conference call February 14, 2011 at 1pm (EST)
- Action: Mike to update IPP Everywhere Wiki before the face-to-face
- Action: Ira to amend IPP Everywhere Charter for CUPS Raster Spec and schedule (open)
- All: Test Validate-Job in bake-off to return the same stuff as Create-Job, Print-Job, and Print-URI (ongoing)
- Work on defining CUPS raster subset and determining the support attributes
- Continue discussion of extensions and formats.