

# Cloud Imaging Model WG Minutes

## April 15, 2013

Meeting was called to order at approximately 3:00pm ET April 15, 2013.

### Attendees

Nancy Chen  
Daniel Manchala (Xerox)  
Glen Petrie (Epson)  
Michael Sweet (Apple)  
Paul Tykodi (TCS)  
William Wagner (TIC)  
Rick Yardumian (Canon)

### Agenda Items

1. IP Policy and Minute Taker
  - a. Policy accepted with Mike taking the minutes
2. Review previous minutes
  - a. <ftp://ftp.pwg.org/pub/pwg/cloud/minutes/cloud-concall-minutes-20130401.pdf>
  - b. Accepted as posted
3. Discuss differences between IPPSIX and Cloud Print Requirements and Model
  - a. Current Cloud Print model limits interface to 1-to-1 between CPS and CPM
  - b. Current IPPSIX model allows 1 to N between CPS and CPM
    - Manager operations include device UUID to identify which device is being targeted in the Service
  - c. 1-to-1 limitation is just a simplification
  - d. Q: Should we allow fanout in CPS and CPM?
    - A: Tentatively yes, allow fanout in CPS and CPM to match current model
    - Have CPM operations include device UUID to
    - Add GetOutputDeviceElements and SetOutputDeviceElements operations, per IPPSIX
    - Update diagrams in Cloud Print Requirements accordingly
4. Approach to and priority of working on Print Service vs Imaging Service Requirements and Model Documents
  - a. Originally "print" was seen as a faster path to a spec
  - b. But we haven't come out with a print spec...
  - c. Q: Should we extend the scope of work to all imaging services immediately?
    - A: Tentatively yes.
    - We can do the multifunction abstract model (Cloud Imaging Requirements and Model) and printing binding (IPPSIX) in parallel - that addresses both the immediate needs and makes sure we address multifunction requirements at the same time (lessons learned from Semantic Model services)
5. Review comments from Bill on April 11
  - a. Admin operations: also remove PausePrintServiceAfterCurrentJob, keep Enable/Disable/Set
  - b. Need to revisit definitions of standard Semantic Model user roles - redefine in terms of Cloud Service?
  - c. AAA requirements: pull from IPPSIX
    - Action: Mike to post AAA requirements from IPPSIX
  - d. Hold for review:
    - This is about the CPS holding new jobs administratively - exceeding some limit (copies) that requires out-of-band approval
  - e. Q: Does the CPM represent output devices individually or a composite/virtual device?
    - A: Both implementations are allowed by the model
    - Add some discussion about how CPMs can represent their output devices
  - f. Q: Why are we calling out the CPS's reporting in the CPM operations?
    - Don't remember why this question was asked, deferring for later review.

- g. Q: What is the depth of the UpdateFetchableJobs list?
  - Normal client to printer interface just requires history for a reasonable time
  - A: Must include all jobs that have been reported in a terminating state
  - CPM knows CPS has accepted new CPM job states from Update operation, so CPM drives job retention in the CPS
  - Should include text describing error recovery scenarios
- 6. Review latest cloud model
  - a. <ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudmodel10-20130319-rl.pdf>
  - b. Title: Change to Cloud Imaging Requirements and Model
  - c. Abstract: Update to address all imaging services
  - d. Q: What about sites that force clients to go through cloud print service?
    - A: Something to discuss briefly in introduction, but not something that needs to be addressed in the model
  - e. Section 3.2.1:
    - Line 310: "dealinf" should be "dealing"
    - General: change wording so it sounds like what happens and not what is required ("All communications are made via secure connections", etc.)
    - Maybe break this into separate use cases for printer registration, user/client association, and general printing
  - f. Section 3.2.4:
    - Spell out pre-processing of document data:
      - job state is "processing" and "job-transforming"
      - once pre-processing is completed, state goes to "processing-stopped"
      - back to "processing" when CPM accepts job
  - g. Section 3.2.6:
    - Maybe add discussion of job state reasons/document state reasons from IPPSIX
  - h. Section 3.2.10:
    - Add job retention by CPS until updated by CPM
  - j. Global: Make sure we use "Cloud" (capitalized) to match terminology

## Next Steps / Open Actions

- Next Cloud conference call is April 29, 2013 at 3pm ET
- Joint IPP/Cloud conference call on May 6, 2013 at 3pm ET
- Continue discussion of Model document on the cloud mailing list
- Update charter to focus exclusively on full Cloud Imaging Requirements and Model
- Discuss differences between IPPSIX and Cloud Print Requirements and Model on cloud and IPP mailing lists (DONE)
- Action: Mike to add "held-for-review" status to IPP Paid Printing (DONE)
- Action: WG to Review and Comment on:
  - d. Approach to and priority of working on Print Service vs Imaging Service Requirements and Model Documents (DONE)