Cloud Imaging Model WG Minutes
March 18, 2013

Meeting was called to order at approximately 3:00pm ET March 18, 2013.

Attendees

Nancy Chen
Daniel Manchala (Xerox)
Tim McCann (Konica Minolta)
Ron Nevo (Samsung)
Roarke Randall (Toshiba)
Michael Sweet (Apple)
Larry Upthegrove
Bill 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-20130304.pdf
   b. Accepted as posted
3. Review Mike's protobuf updates for Google's CDD:
   a. ftp://ftp.pwg.org/pub/pwg/cloud/white/GoogleCDD-feedback-20130317.pdf
   b. PrintingSpeed: you made it optional, hard to measure, detailed PPM metrics are generally not available, what is the motivation for having this level of detail?
   c. FitToPage: Ask what the enum values mean, ask for fill scaling enums, want to work to add this to the PWG SM
   d. Dpi: Add note that resolution and print quality are related but not always the way you expect. SM tracks them separately.
   e. Mike will make the requested changes and send to Google
4. Review Cloud Model
   a. ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudmodel10-20130318.pdf
   b. ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudmodel10-20130318.docx
   c. ftp://ftp.pwg.org/pub/pwg/cloud/white/Basic%20MFD%20Interface%20Requests%20and%20Responses.docx
   d. Line 310: "... the document /data/ that the User ..."
   e. Lines 313-319: "must locate an appropriate Cloud Print Service that supports print by reference. The User may not be able to determine whether the Cloud Print Service or following components can access the Document Data or properly process it until it has been submitted."
   f. Lines 320-329: Move to someplace in section 4.
   g. Lines 330-335: Delete (no way to validate document URI)
   h. Line 347: "in the Processing or ProcessingStopped state until the fault is resolved or some other action is taken."
   i. Lines 349-351: "The Cloud Print Manager queries the Cloud Print Service to determine whether a Job has been canceled, canceling the job on the Imaging Device as needed."
   j. Line 358: Drop "As described in 3.2.2, ", just start with "Initial access can be ..."
   k. Lines 364-366: Make "mushy", "It is desirable that the nature and ..." so we don't force implementations to provide Job/DocumentStateMessage
   l. Section 4:
      - Document that "DocumentStateMessage" and "JobStateMessage" can contain a detailed error message when DocumentAccessError is in the corresponding Document/JobStateReasons list.
   m. Lines 372-373: Delete last sentence
   n. Line 373: Copy text from error use case about how cancel works here.

- o. Add use case of Cloud Print Manager/MFD-initiated cancel
  - "Cancel Job From Client" (current use case)
  - "Cancel Job From MFD" - control panel where CPM notifies CPS that job has been canceled
- p. Line 386: "whenever the Cloud Print Manager is initialized." (or "started"?)
- q. Interrupted/Lost Connection:
  - Q: Communications lost, what job state?
    - A: Last known or unknown for CPM job state
  - Q: What happens if job is canceled on CPS while connection is lost
    - A: If job lost on CPM, CPS can cancel immediately, otherwise the usual state updates happen
  - Q: If the job is reported as complete by the CPM, what action should the CPS take?
    - A:
- r. New Use Case: Cloud Print Service Transforming Document Data
  - to show that Cloud Print Service has its own job state, composite/combined job state is reported to Client
  - before connection lost
- s. Section 3.3:
  - 1, 2, 7, 14, 15, 16 are not covered in use cases
  - 3, 9 sort of covered
  - 4, 5, 6, 8, 10, 11, 12, 13 are covered
    - 11: Printer to report operational status as needed
  - Make a general Cloud Print use case that covers everything, then move the "out of scope" functional requirements to the out of scope section
- t. Stopped at section 3.4 (Functional Requirements)

Next Steps / Open Actions

- Next Cloud conference call is April 1, 2013 at 3pm ET
- Continue discussion of Model document on the cloud mailing list
- Action: Mike to provide PJT, summary of comments, example JSON for CDD to Google (DONE)
- Action: Bill to generate an initial list of Cloud Print Service operations for section 4.4 (DONE)
- Action: Mike to provide updated text for Cloud Model introduction (DONE)
- Action: WG to Review and Comment on:
  - b. Google's GCP Device Capability Subsystem specification (DONE)
  - c. Google's Cloud Device Local Discovery/API protocol specification (DONE)
  - d. Approach to and priority of working on Print Service vs Imaging Service Requirements and Model Documents