

# Cloud Imaging Model WG Minutes

## April 29, 2013

Meeting was called to order at approximately 3:00pm ET April 29, 2013.

### Attendees

Nancy Chen  
Daniel Manchala (Xerox)  
Tim McCann (Konica Minolta)  
Ron Nevo (Samsung)  
Glen Petrie (Epson)  
Michael Sweet (Apple)  
Larry Upthegrove  
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-20130415.pdf>
  - b. Accepted as posted
3. Review updated charter:
  - a. <ftp://ftp.pwg.org/pub/pwg/cloud/wd/ch-cloud-charter-20130429.pdf>
  - b. Update copyright and file date
  - c. Objectives: Make sure all objectives are corrected to be "Cloud Imaging models" (no more print or multifunction)
  - d. Definition: Change CLOUDMFD to CLOUDIMAGING, Cloud Imaging Requirements and Model
  - e. Action: Bill to post correction as wd-cloud-charter-2013mmdd for approval by PWG steering committee
4. Review latest cloud model
  - a. <ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudmodel10-20130425.pdf>
  - b. Thoughts on Cloud Imaging Server that can handle multiple imaging services
    - Not requiring a unified implementation, this is the definition of the general imaging model
    - Mike: Important to point out that a Cloud Imaging Service may only support 1 type of imaging service or N types - implementation detail
    - Mike: Also important to point out differences per function (print, scan, etc.)
    - Q: Why Cloud Imaging Server instead of Service?
      - Server sounds like hardware
      - Imaging Service vs. Print Service - could be confusing
      - Maybe Cloud Imaging Service Provider that provides different Services?
        - Sounds too much like a cell phone provider
      - A: Use Cloud Imaging Service when referring to high-level composite actor
  - c. Section 1: Introduction
    - Line 162: "where at least some portion of the Imaging Service Job processing is performed by an entity within the Cloud"
    - Line 178: "imaging interface" instead of "printing interface"
    - Line 181: "the same interface can be used regardless of whether the Imaging Device is not network accessible to the Service"
  - d. Section 2.2:
    - Cloud Imaging Manager: "the software component that implements the interface between the Imaging Device and one or more Cloud Imaging Services, including authentication or identification with the cloud-based environment, for all Semantic Model ...".
    - Cloud Imaging Server -> Cloud Imaging Service
    - Security concern about multiple imaging devices going to one or more Cloud Imaging

- Services
  - Maybe provide that in the security considerations - document that redirection can invalidate security configuration, etc. but that we don't get into the rights management space
  - What about service availability?
    - Permanent change in availability should change what services are registered/advertised
    - Temporary change (offline device) should be reported as such
  - What about definitions for common terms?
    - Leave them since this isn't a service document but standalone.
  - Update Cloud Imaging definition to include a list of all SM services that are covered
- e. Section 3.x:
  - Change "Cloud Print" to "Cloud Imaging"
  - "Cloud printing" -> "Cloud Imagings"
  - "print device" -> "Imaging Device"
  - "Print Service" -> "Imaging Service"
- f. Global: Change "Cloud Imaging Server" to "Cloud Imaging Service"
- g. Global: Change "Cloud Print" to "Cloud Imaging"
- h. Section 3.2.1.2:
  - Line 369: Change "process" to "action"
  - Line 379: "supported by the Device and Cloud Imaging Service which the owner wishes to provide"
  - Line 387: "information on Device's registered Service capabilities, ..."
  - Need a way for the Cloud Imaging Manager to discover which services are registered
    - SM uses separate endpoints for each service
    - System Control Service lists service endpoints, types, names, etc.
    - Cloud Imaging Service probably needs to be a subset of the SM System Control Service - to list registered services - so that Clients and Managers can discover the endpoints, types, names, etc. of the Services that have been registered
- i. Section 3.2.1.3:
  - "End Device"? Need definition or just replace with "Imaging Device"
  - "End Device" might be a virtual/non-physical destination, but why do we need to talk about it here?
    - Still cloud imaging, but probably in the out-of-scope section (only dealing with Cloud Imaging Manager -> Cloud Imaging Service interface)
- j. Section 3.2.1.4:
  - What about scan jobs initiated from the device that are stored in the cloud?
    - A valid use case for cloud but out-of-scope
- k. Section 3.2.2:
  - Line 441: Change "printed document" to something else?
  - Will need to address hardcopy documents for FaxOut and EmailOut (input source but not a document URI in the document creation request)
    - Add FaxOut or EmailOut Hardcopy Document use case
- l. Section 3.2.3:
  - Lines 469-470: How do we provide a security token? Not supported by semantic model at this time, embedding in URI frowned upon
    - May way to punt on this, defer to IDS?
    - Definitely need security considerations, network accessibility is a major issue - Client URI may not be network accessible to Cloud Imaging Service, Cloud Imaging Manager, or Output Device
- m. Section 3.2.4:
  - Change title to "Use of Cloud Imaging Service for Local Output Devices"?
    - Remove "monitoring" from title, confusing
    - Everything going through cloud
  - Re-form as a casual use case - perform a scan job on a local device initiated solely through the Cloud Imaging Service
- n. Global: Check for "job" and "service/server" (should be "Job" and "Service")
- o. Section 3.2.5:

- Line 504: Not creating a new job request, providing the document data in an alternate/ supported format for the manager
- Need to clarify that the transform is intermediate processing (job goes from processing to processing-stopped, then back to processing when the manager fetches the transformed document data)
- p. Add use cases for Scan, FaxIn, and EmailIn
- q. Action: Bill and Larry to work together to post updated Cloud Imaging Requirements and Model prior to the face-to-face

### **Next Steps / Open Actions**

- Joint IPP/Cloud conference call on May 6, 2013 at 3pm ET
- Cloud Imaging WG face-to-face session May 15, 2013 at 9am PT
- Continue discussion of Model document on the cloud mailing list
- Update charter to focus exclusively on full Cloud Imaging Requirements and Model (DONE)
- Action: Bill to post correction as wd-cloud-charter-2013mmdd for approval by PWG steering committee
- Action: Bill and Larry to work together to post updated Cloud Imaging Requirements and Model prior to the face-to-face
- Action: Bill and Ron to work together to post slides for Cloud Imaging WG session