Cloud Imaging Working Group

May 15st , 2013

Cupertino, CA (hosted by Apple)

Cloud Imaging WG
Meeting Agenda May 15

When	What
	May 15
9:00 – 9:15	**Introduction and Administrative Issues** Intellectual Property Policy Statement Identify Minute Taker Introduce Participants Consider Agenda Acceptance of Previous Minutes ftp://ftp.pwg.org/pub/pwg/cloud/minutes/cloud-concall-minutes-20130429.pdf
9:15 – 9:30	Action Items Review
9:30– 9:45	Charter updates
9:45– 11:45	Cloud Imaging Requirements and Model
11:45 – 12:00	Next Steps

Officers & Editors

❖ Chair: Ron Nevo (Samsung)

❖ Vice Chair: Bill Wagner (TIC)

❖ Secretary: Michael Sweet (Apple)

❖ Document Editor Volunteers:

  ➢ Larry Upthegrove: Cloud Imaging Requirements and Model
  ➢ Ron Nevo (Samsung): Cloud Imaging Requirements and Model
  ➢ Michael Sweet (Apple): Cloud Imaging Requirements and Model

Action Items

❖ Continue discussion of Model document on the cloud mailing list

❖ 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

Status

- ❖ **Charter**
  - ➤ Charter was changed, terminating the Cloud Printing Requirements and Model effort in favor of concentrating on Cloud Imaging Requirements and Model.
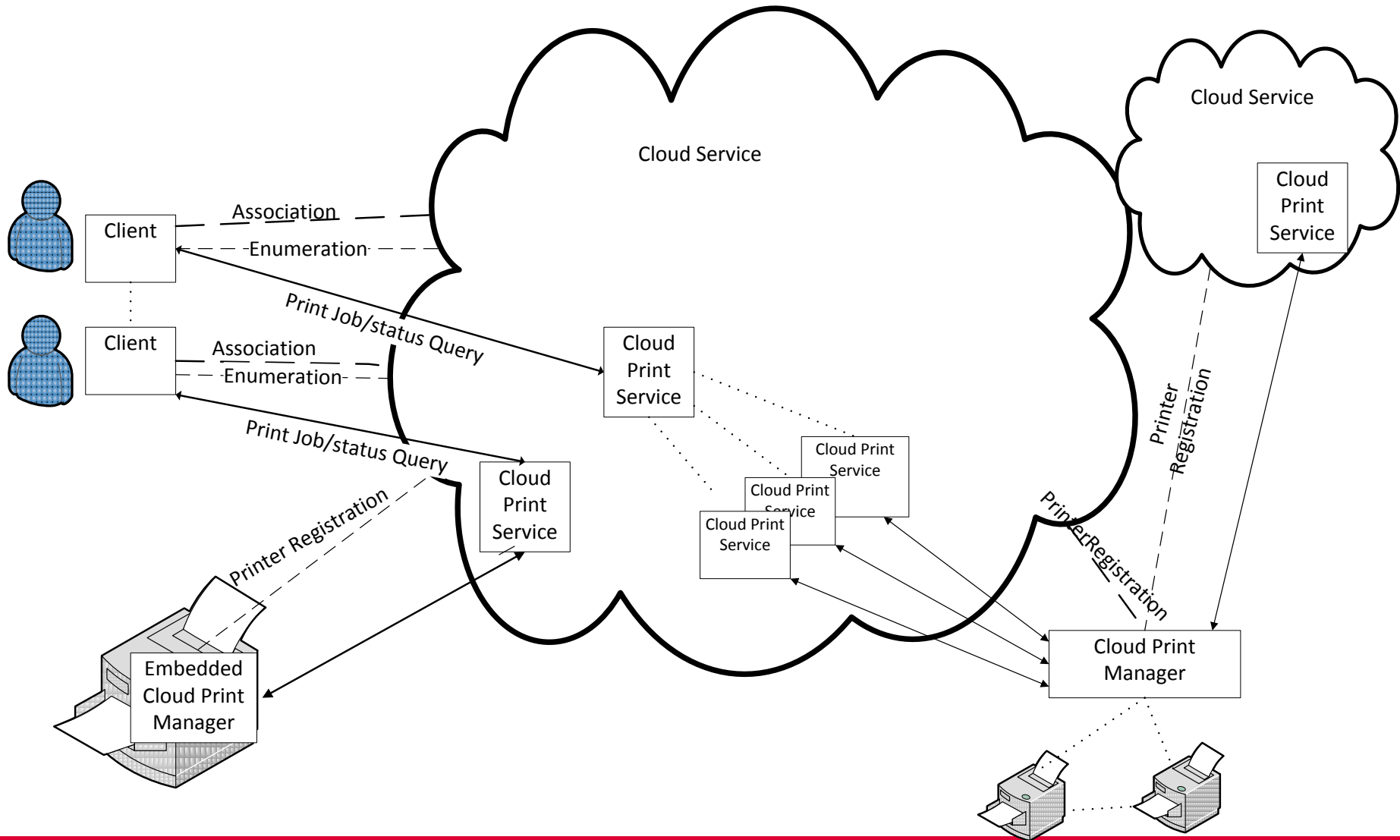 - ➤ Revised Charter approved by PWG Steering Committee: ftp://ftp.pwg.org/pub/pwg/cloud/charter/ch-cloud-charter-20130510.pdf

- ❖ **Cloud Printing Requirements and Model Specification**
  - ➤ Detailed Use Cases were again added
  - ➤ Applicable Cloud User Operations identified
  - ➤ New Cloud Print Manager Operations Defined
  - ➤ Based on provisions in IPP SIX draft, restriction on one Cloud Manager destination per Cloud Print Service was eliminated
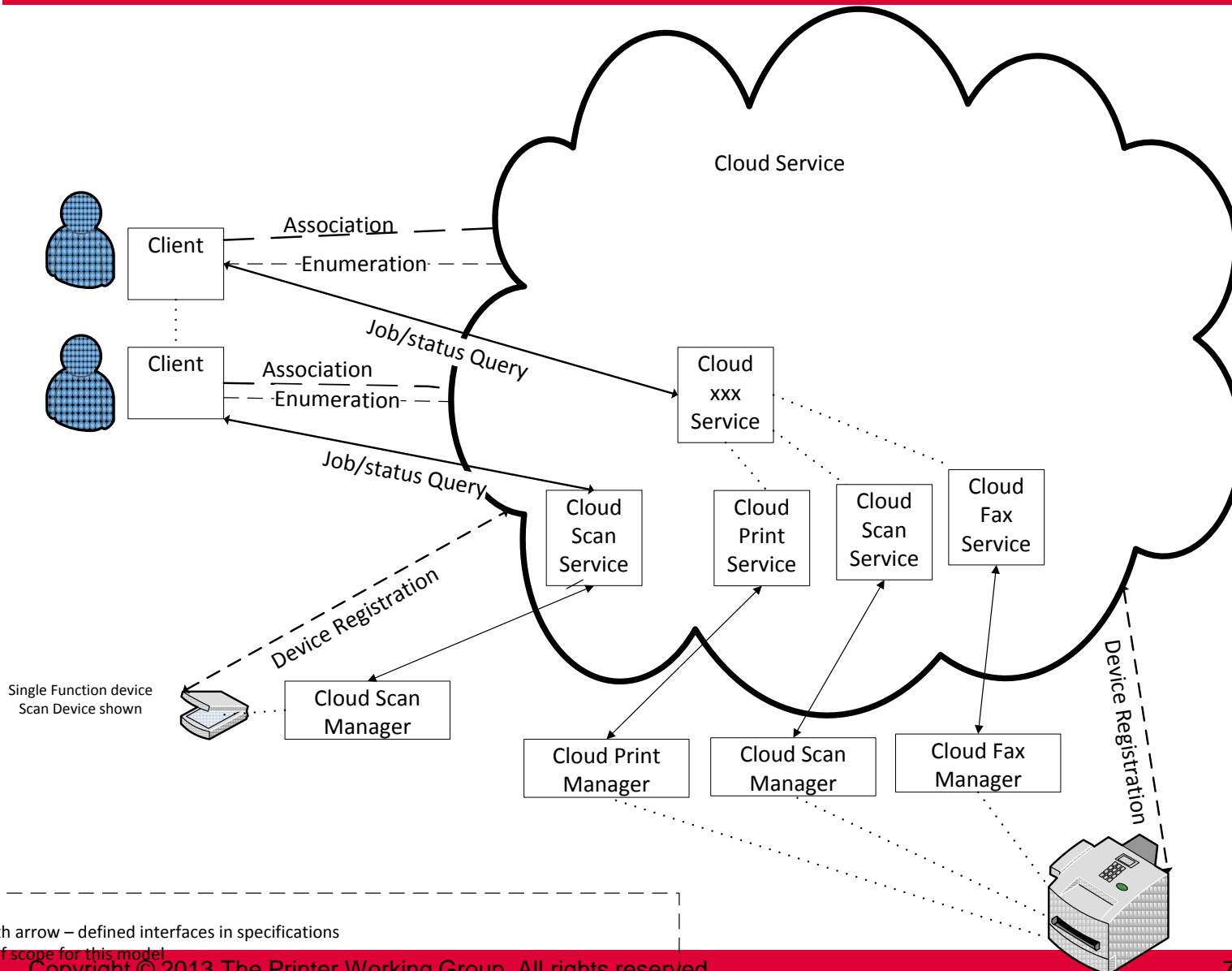 - ➤ Decision to abandon effort and transfer work done to date to Cloud Imaging Requirements and Model

- ❖ **Cloud Imaging Requirements and Model Specification**
  - ➤ Initial draft modified to provide Interim draft reflecting decisions made for Cloud Printing Model
  - ➤ Additional Use Cases and Operations up for discussion
  - ➤ Further development necessary

Cloud Printing Model

Cloud<*services*>Model

Cloud Service

Client

Association

Enumeration

Job/status Query

Client

Association

Enumeration

Job/status Query

Cloud
xxx
Service

Cloud
Scan
Service

Cloud
Print
Service

Cloud
Scan
Service

Cloud
Fax
Service

Device Registration

Device Registration

Single Function device
Scan Device shown

Cloud Scan
Manager

Cloud Print
Manager

Cloud Scan
Manager

Cloud Fax
Manager

s lines with arrow – defined interfaces in specifications
es – out of scope for this model

Discussion Items

❖ Updated Charter

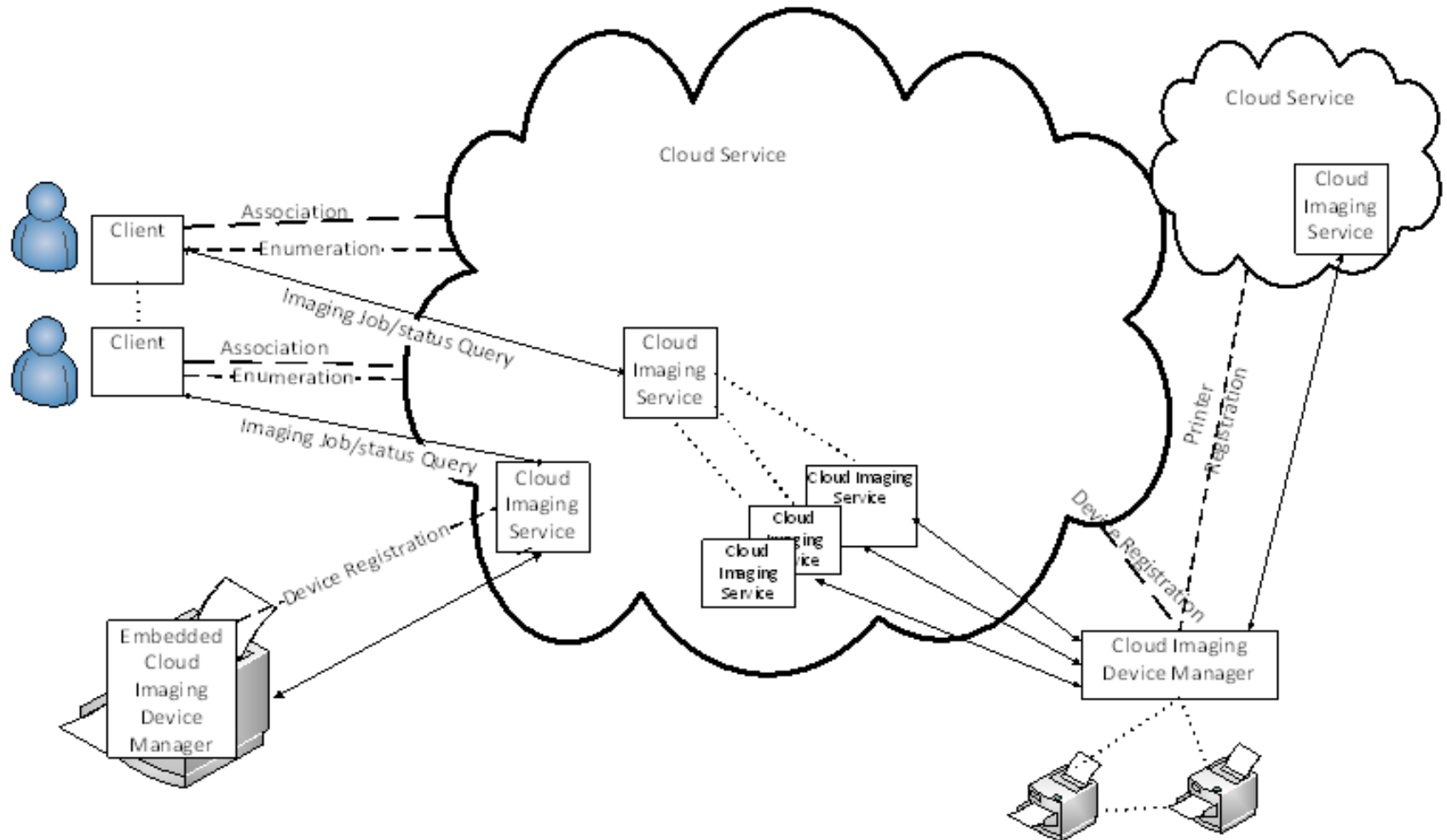- ➢ ftp://ftp.pwg.org/pub/pwg/cloud/wd/ch-cloud-charter-20130430.pdf

❖ Conceptual Questions

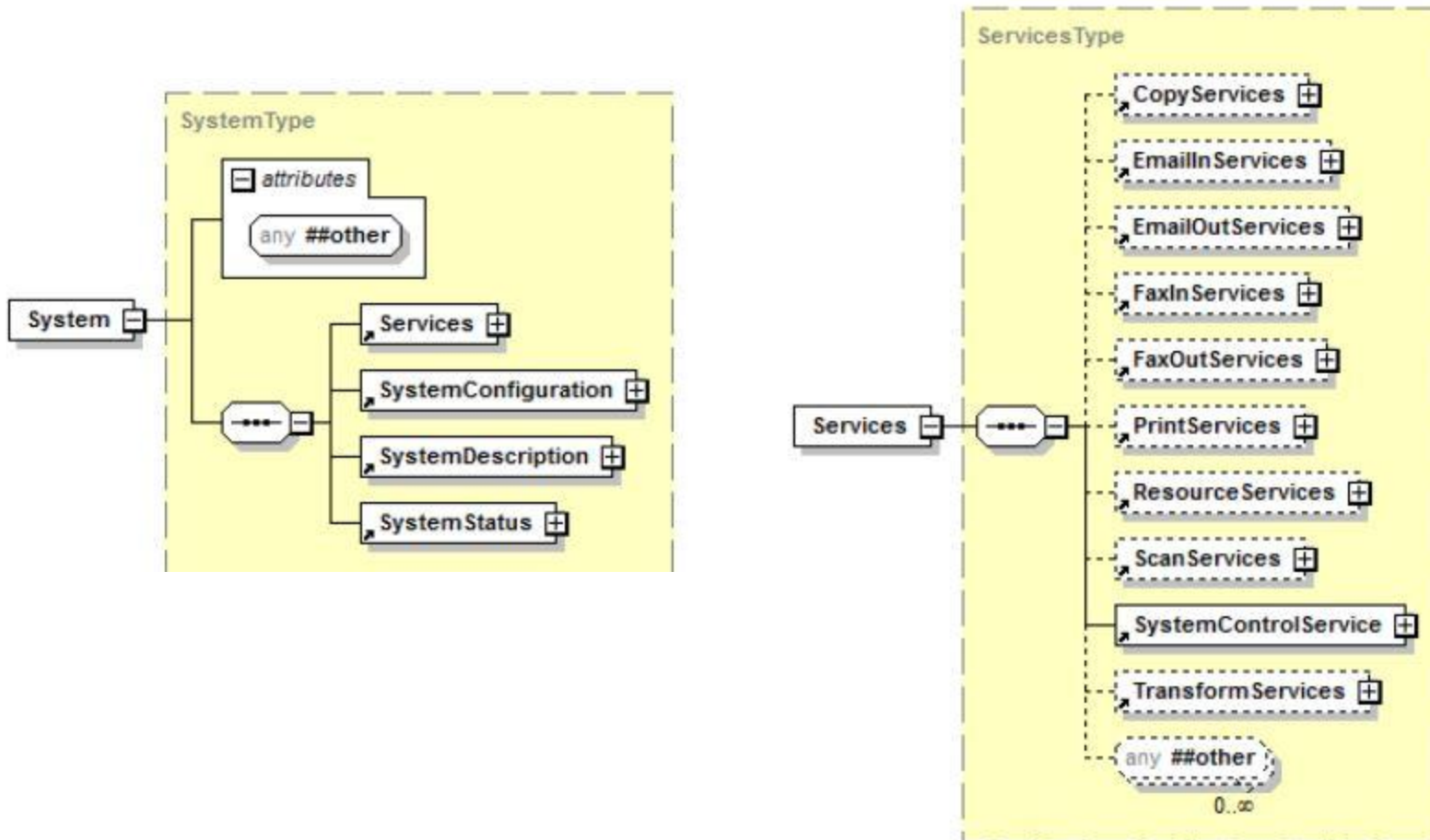- ➢ Level and Naming of Cloud Imaging Service
  - The Cloud-based 'Imaging Service' offers one or more of the identified Imaging Services to a User/Client.
  - Do we agree that it may (must?) offer a System Control Service to a User/Client with proper authority?
  - If the cloud entity offers a System Control Service as well as one or more standard Imaging Services, do we agree that such control is of the Cloud System object, not the system the Imaging Device?
  - Do we agree that the Cloud Imaging Service is conceptually an Imaging System (or at the same level as a System Object)?
  - If so, what is an appropriate name?

Replace Printing with Imaging

Semantic Model System

Discussion Items

❖ Conceptual Questions

➤ Level and Naming of Cloud Imaging Manager/Imaging Device(s)

- Because of the Firewall or other isolation factor, Cloud Imaging Service cannot initiate communication with the Imaging Device. The'Manager' actor acts as a client in contacting the Cloud Based Service to provide communication between it and the Device.

- A 'reverse' set of operations is defined by which this 'Manager' communicates with the Cloud based Service. We do not define the interface between the 'Manager" and the Device(s) it interfaces.

- The Device itself could range from a 'dumb' device to an MFD. But the "Manager" is in fact representing one or more Imaging Services; i.e., the information which it exchanges with the Cloud Based Service is the same as would be exchanged in a basic (non-managing) Service to Service exchange. What is a preferable name for the Imaging Device Manager?

- From an interface viewpoint, the Manager/Device may be considered to present one or more Imaging Services to the Cloud Based Imaging Service. Therefore, is it proper to maintain that the Manager reports on a Job which the Manager/Device created in response to Cloud Service Job information that the Device Manager pulled from the Cloud Imaging Service (?)

Cloud Imaging Requirements and Model

❖ Interim Draft

- ➢ Update to:
  - ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudimagingmodel10-20130508.pdf
  - ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudimagingmodel10-20130508.docx

- ➢ Last changes
  - Concentrate on a Cloud Imaging model rather that just Cloud Printing
  - Allow fanout from a Cloud Imaging Manager to multiple Cloud Imaging Managers
  - Additional Use Cases for other Imaging Services
  - Requirements
  - Operations
  - Sequences

- ➢ Discussion of Cloud-oriented Operations
  - ftp://ftp.pwg.org/pub/pwg/cloud/white/Cloud%20Imaging%20Operations%20-6%20May.pdf

Next Steps
Cloud Imaging Model and Requirements

❖ Cloud Imaging Model and Requirements

- ➢ Editor: Larry & Bill
- ➢ Additional Contributors: ?
- ➢ Schedule: PWG Last Call of Cloud Imaging Requirements and Model – (Mid Q4 2013)

❖ Specific Action Items!

Cloud Imaging WG Participation

- ❖ We welcome participation from all interested parties
- ❖ Cloud Imaging Working Group Web page
  - ➢ http://www.pwg.org/cloud/index.html
- ❖ Cloud Imaging Working Group Wiki
  - ➢ http://pwg-wiki.wikispaces.com/Cloud+Imaging
- ❖ Subscribe to the Cloud mailing list
  - ➢ https://www.pwg.org/mailman/listinfo/cloud
  - ➢ cloud@pwg.org
- ❖ Cloud Imaging WG holds bi-weekly phone conferences announced on the Cloud mailing list
  - ➢ Next conference call is June 3, 2013 at 3 pm (ET)
  - ➢ Conferences on opposite weeks of IPP WG calls