



# Cloud Imaging WG Plenary Report

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December 7, 2011

Austin, Texas

# Officers

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- ❖ Chair: Ron Nevo (Samsung)
- ❖ Vice Chair: Bill Wagner (TIC)
- ❖ Secretary: Michael Sweet (Apple)
- ❖ Document Editors:
  - Ira McDonald (High North): Cloud Print Internet Printing Protocol Binding, Cloud Imaging Model and Requirements, Print Ticket Mapping
  - Joe Murdock (Sharp): Cloud Print SOAP Binding, Cloud Imaging Model and Requirements
  - Peter Zehler (Xerox): Cloud Print SOAP Binding, Cloud Imaging Model and Requirements, Print Ticket Mapping
  - Ron Nevo (Samsung): Cloud Imaging Model and Requirements, Print Ticket Mapping
  - Michael Sweet (Apple): Cloud Imaging Model and Requirements, Print Ticket Mapping
  - Justin Hutchings (Microsoft): Print Ticket Mapping (XPS)

# Overview

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- ❖ To allow support of convenient and full featured imaging services in conjunction with Cloud Computing and other Cloud-based facilities, the PWG held a series of BOF meetings focused on modeling and understanding the use cases, requirements, and existing implementations.
- ❖ This culminated with the creation of the Cloud Imaging Working Group in February 2011.
- ❖ The approved charter of the working group is at <ftp://ftp.pwg.org/pub/pwg/cloud/charter/ch-cloud-charter-20110620.pdf>
- ❖ Under this charter, the WG is to address Cloud Printing in Phase 1, extending to Cloud Imaging in Phase 2.
- ❖ The Phase 1 effort is to produce three documents:
  - Cloud Imaging Model and Requirements
  - Cloud Print Internet Printing Protocol Binding
  - Cloud Print SOAP Binding

# Overview (cont)

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- ❖ This is a major effort, taking longer than envisioned. It was therefore decided to precede this overall activity with a consideration of how current Cloud Printing implementations might better reflect PWG compatible semantics in the printer characteristics information and Job Ticket aspects.
- ❖ Therefore, the Cloud Imaging WG is also considering:  
Applicability of the PWG Job Ticket and Printer Characterization elements, as derived from the current Semantic Model
- ❖ Mapping Job Tickets and Printer Characterizations for Cloud Printing Services such as Google Cloud Print to the PWG Job Ticket and Printer Characterization elements.
  - Effort will map Microsoft Print Schema (MSPS), PPD and JDF to PWG
- ❖ These considerations require a WG Charter change, and the charter is currently being updated.
  - Submission of charter was delayed until agreement with Microsoft about access to MSPS specification.
  - There appears to be a procedure to get license from Microsoft for PWG

# Intended and Potential Publications

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## ❖ Identified in Charter

- Cloud Imaging Requirements and Model (define the reference model, terminology, and requirements for Cloud Imaging)
- Cloud Print SOAP Binding
- Cloud Print Internet Printing Protocol Binding
- Cloud Multifunction SOAP Binding
- Cloud Multifunction Internet Printing Protocol Binding

## ❖ PWG Job Ticket to MSPS, JDF and PPD Mapping Best Practices

### ➤ Contributors

- Ron Nevo: Editor
- Michael Sweet: PPD Mapping
- Justin Hutchins: MSPS (XPS) elements
- Ira McDonald: JDF Mapping
- Peter Zehler, Ira McDonald: PWG Semantics

## ❖ Cloud Imaging is also coordinating PWG Job Ticket and Printer Characteristics considerations with SM Workgroup

# Cloud Imaging WG Participation

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- ❖ 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](mailto:cloud@pwg.org)
- ❖ Cloud Imaging WG holds bi-weekly phone conferences announced on the Cloud mailing list
  - Next conference call is December 19th, 2011 at 1 pm (ET)
  - Conferences on opposite weeks of IPP WG calls