



Cloud Imaging Working Group

December 7, 2011

Austin, Texas

Cloud Imaging WG Meeting Agenda



When	What
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-20111121.pdf)
9:15 – 9:30	Action Items Review
9:30 – 10:00	PWG Job Ticket /Printer Characteristics – last Review
10:00 – 10:15	Break
10:15 – 11:45	Job Ticket /Printer Characteristics Mapping Best Practices Outline PPD JDF Microsoft Paper Schema
11:45 – 12:00	Next Steps, Wrap Up

Officers

- ❖ Chair: Ron Nevo (Samsung)
- ❖ Vice Chair: Bill Wagner (TIC)
- ❖ Secretary: Michael Sweet (Apple)
- ❖ Document Editors:
 - Ira McDonald (High North): Job Ticket Mapping (JDF), Cloud Imaging Model and Requirements, Cloud Print IPP Binding
 - Joe Murdock (Sharp): Cloud Imaging Model and Requirements, Cloud Print SOAP Binding
 - Peter Zehler (Xerox): PWG Job Ticket and Printer Characteristics, Job Ticket Mapping(MSPS), Cloud Imaging Model and Requirements, Cloud Print SOAP Binding
 - Ron Nevo (Samsung): Job Ticket and Printer Characteristics Mapping Best Practices, Cloud Imaging Model and Requirements
 - Michael Sweet (Apple): JobTicket Mapping (PPD), Cloud Imaging Model and Requirements,
 - Justin Hutchings (Microsoft): Job Ticket Mapping (MSPS)

Action Items



- ❖ Update Job Ticket spec & post (Pete) DONE
- ❖ Prepare new draft of PPD Mapping whitepaper (Mike)
- ❖ Prepare info on JDF Mapping in mapping document(Ira)
- ❖ Update mapping document for December 2011 F2F (Ron)
- ❖ Ira to send LDAP text to Mike for IPP Everywhere 1.0 (ONGOING)
- ❖ Bill and Ron to address Steering Committee with respect to process requesting MSPS license.
- ❖ Work to start on MSPS mapping; Ira to work with Justin on mapping tables.

Consideration of PWG Job Ticket



❖ Prototype Level Draft of “Print Job Ticket and Associated Capabilities”

- <ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-sm20-printjobticket10-20111128.pdf>
- Job Ticket and Capabilities (capabilities, identification and some status information) for the Print Service, derived from current MFD Semantic Model

❖ Review

- Review changes from last Cloud conference call

Job Ticket /Printer Characteristics Mapping Best Practices Document



❖ Outline

1. Introduction
2. Terminology
3. Requirements
4. Microsoft Paper Schema Specification (MSPS)
5. Postscript Printer Description (PPD)
6. CIP4 Job Definition Format (JDF)
7. Internationalization Considerations
8. Security Considerations
9. References
10. Authors' Addresses

❖ Draft

- <ftp://ftp.pwg.org/pub/pwg/cloud/wd/wd-cloudmap10-20111005.pdf> or **later version**

Job Ticket /Printer Characteristics Mapping Best Practices Document



❖ PPD Mapping

- Mapping PPD Keywords to PWG Job Ticket Elements
(<ftp://ftp.pwg.org/pub/pwg/cloud/white/ppd-mapping-20110818.pdf>
or later version)

❖ PPD References

- Adobe Systems Incorporated, "PostScript Printer Description File Format Specification Version 4.3", Technical Note #5003, February 1996
(http://partners.adobe.com/public/developer/en/ps/5003.PPD_Spec_v4.3.pdf)
- Adobe Systems Incorporated, "Update to PPD Specification Version 4.3", Technical Note #5645, April 1997,
http://partners.adobe.com/public/developer/en/ps/5645.PPD_Update.pdf
- M. Sweet, "CUPS PPD Extensions",
(<http://www.cups.org/spec-ppd.html>)

Job Ticket /Printer Characteristics Mapping Best Practices Document



❖ JDF Mapping

- Mapping JDF Attributes to PWG Print Job Ticket Elements (<ftp://ftp.pwg.org/pub/pwg/cloud/white/jdf-mapping-20110822.pdf> or later version)

❖ JDF References

- CIP4, "JDF Specification Release 1.4a", December 2009, 13 (http://www.cip4.org/menu.php?name=technical_resources 14)
- CIP4, "Integrated Digital Printing (IDP) ICS Version 1.3 Errata 15 Revision A, February 2009, 16 (http://www.cip4.org/document_archive/ics.php)

Job Ticket /Printer Characteristics Mapping Best Practices Document



❖ MSPS Mapping

- Google Cloud Print references XPS format for job ticket and printer characteristics - but actually is Microsoft Print Schema
- Microsoft Print Schema (MSPS) specification accessible through <http://msdn.microsoft.com/en-us/windows/hardware/gg463385.aspx>
- However, license agreement associated with this access poses questions relative to PWG work related to MSPS; work on this mapping and update of the charter was held pending clarification.
- Justin Hutchings of Microsoft determined that Microsoft will be releasing the spec under the license agreement given at: <http://msdn.microsoft.com/en-us/library/windows/hardware/gg463390.aspx>.
- Pending PWG Steering Committee review, it is believed that the PWG can request a license under this agreement, and Cloud will request that the PWG apply for a license once the MSDS specification is updated to reflect the different license agreement.

Next Steps



- ❖ Support of Current Cloud Printing Approaches
 - Last Feedback to Semantic Model WG on PWG Job Ticket document
 - Have PWG request license for MSPD specification access
 - Submit updated charter for SC approval
 - Continue Mapping of PWG Semantic Model elements into PPD, MSPS and JDF formats (Best Practices Document),
- ❖ Proceed with Cloud Imaging Model and Requirements Document
 - Consideration of Use cases from General Use Case Document
 - Generation of Skeleton Document
- ❖ 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 December 19th, 2011 at 1 pm (ET)
 - Conferences on opposite weeks of IPP WG calls