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PWG MFD Working Group Teleconference Meeting Minutes
September 2, 2010

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Attendees:

Nancy Chen,   Oki Data
Christoph Lindemann, Print Associates
Ira McDonald,   High North
Bill Wagner,   TIC
Peter Zehler   Xerox

1. **Identify Minute Taker –** Nancy Chen

2. **PWG process**
   Attendees were informed that the meeting is held in accord with the PWG Intellectual Property Policy. There was no objection.

3. **Approval of minutes**
   The last PWG face-to-face meeting minutes: ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-ftf-mfd-minutes-20100803.pdf was accepted without change.

4. **Agenda**
   1. Identify Minute Taker
   2. Approval of minutes from last meeting
   ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-ftf-mfd-minutes-20100803.pdf
   3. Agenda bashing
   4. Discuss parent job UUID
   5. Discuss Cloud specific element definitions
   6. Discuss Power elements in schema
   7. Discuss JobOriginatingUserAuthenticationInfo element in schema
     http://www.pwg.org/mfd/navigate/PwgSmRev1-107_ImagingJobStatusType.html#LinkC20
   8. Next steps

   No objection to the agenda.

5. **Discuss Parent Job UUID**
   - Christoph briefly described the use case for cloud print he sent previously in IPP Working Group list. The use case requires the parent job identification besides Job UUID for tracking a job sent from a originating cloud to two other cloud print services because of job size, cost, print service location,… etc.
   - It was clarified that although the given use case only involved one parent job, a parent job in the cloud could be fanned-in from other multiple parent jobs and could be further fanned out to multiple other clouds as multiple child jobs.
   - Pete pointed out that although UUID is globally unique, its encoding is meaningless and not very useful for job tracking purpose. Thus a list of pairs of parent-child URIs was preferred for representing a sequence of job's fan-in/fan-out performed in the cloud.

46 • Since a job to be fanned in or fanned out could be completed, or in stopped or pending
47   state depending on how the cloud print service job processing is implemented, an
48   additional job state reason "fan-in/fan-out" is required for these states. The client should
49   also be notified when the very last page of his job is finally printed.
50 • Since job fan-in/fan-out is a service property, there is a need for an attribute in Service
51   Capabilities to indicate whether and how this can be supported by a service, e.g. based
52   on job size, cost, …, etc., which could affect chaining of jobs and services.
53 • Today in IPP there exist partially stopped/partially successful state reasons. IPP is also
54   completely extensible. Hence near-term use of such can be added without problem.
55 • In cloud print service, it is recommended that fan-out is always assumed for failed job
56   recovery purpose. However, this is out of scope in MFD model. But there is nothing in
57   the current model that prevents implementation of this feature.
58 • Agreed that the discussion of this subject today should be forwarded to the IPP working
59   group for future IPP Everywhere and Cloud Print discussions.
60   o AI: Pete to forward today's discussion to the IPP working group.
61
62 **6. Discuss Cloud specific element definitions**
63 • Pete went through his proposed definitions for job UUID and geo-location information.
64   See the proposal: ftp://ftp.pwg.org/pub/pwg/mfd/white/Cloud specific MFD element
65   definitions.html
66 • The issue of whether we should recommend the use of the time_low portion of the
67   Timestamp in the version 1 UUID as the local identifier was discussed. We agreed that
68   this is possible, but we don't recommend.
69 • It was noted that there is no GPS aware printer/MFD, hence the geo-location attribute
70   values need to be manually configured by administrator. The longitude, latitude, altitude
71   values of a printer/MFD can be obtained from a geo-map application such as google
72   map. However, google map only provides the values for a street address, hence all
73   printers/MFDs in one building will have the same values. It leaves to vendors to
74   innovate how to populate these values for each printer in order to determine the nearest
75   printer to a PC, etc.
76 • The geo-location attributes are now in the ImagingServiceDescription base class, which
77   is for all the MFD services. They should also be in the System object.
78   o AI: Pete to add geo-location attributes in SystemDescription element.
79 • Ira recommended all geo-location or other location information in PWG specs should
80   reference rfc2426 which includes geographic type information as one of the attributes
81   that should be included in the vcard indentifying a person/resource in a directory.
82 • Agreed that all information discussed today should be included in the MFD Overall
83   Model and Semantics.
84
85 **7. Next Steps**
86 • The agenda items not discussed today will be the subject of the next teleconference.
87 • Next teleconference is on next Thursday September 9, 2010, at 3PM EDT.