

1 **PWG MFD Working Group Teleconference Meeting Minutes**
2 **January 07, 2010**
3

4 **Attendees:**

5 Nancy Chen, Oki Data
6 Ira McDonald, High North, Inc.
7 Jerry Thrasher, Lexmark
8 Bill Wagner, TIC
9 Peter Zehler Xerox
10

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

12 2. **PWG process**

13 Attendees were informed that the meeting is held in accord with the PWG Intellectual
14 Property Policy. There was no objection.
15

16 3. **Approval of minutes**

17 The last teleconference meeting minutes: [ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-](ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-minutes-20091208-09.pdf)
18 [minutes-20091208-09.pdf](ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-minutes-20091208-09.pdf) was accepted with the understanding that some observations in
19 the minutes are open to discussion when the subjects are discussed in the future.
20

21 4. **Agenda**

22 1. Identify Minute Taker

23 2. Approval of minutes from last meeting

24 <ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-fff-mfd-minutes-20091208-09.pdf>

25 3. Agenda bashing

26 4. Discuss DelayOutputUntil semantics and the appropriate document for the definition

27 5. Discuss status of Copy Service and FaxOut Service specifications

28 <ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdcopymodel10-20100102.pdf>

29 <ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdfaxoutmodel10-20100102.pdf>

30 6. Discuss status of Semantic Model v2 Schema and WSDL (version 1.87)

31 <ftp://ftp.pwg.org/pub/pwg/mfd/schemas/PWG-SM2-Latest1.zip>

32 7. Next steps
33

34 Pete would like to touch on the comments to the whitepaper on MFD Modeling Goals. The
35 status of Overall spec will be discussed with the status of MFD specs. No objection.
36

37 5. **Comments and Discussions on MFD Whitepaper**

- 38 • Jerry commented that some people might not agree that a common MFD model with
39 extensibility for vendor differentiation is an advantage of the model.
- 40 • Pete would like to distribute this whitepaper to PWG at large, would like to see IPP
41 Everywhere is not limited for printing, but also for other functions of MFD.
- 42 • Pete emphasized the advantages of Web service binding – discovery, implementation of
43 eventing and security, preferred protocol for device/service management due to the
44 chattiness of SNMP protocol. Also the standard needs real protocol binding to shake out
45 specification.

- 46 • Nancy: Some use of terms needs to be clarified or defined up front.
- 47 ○ **AI:** All to identify these terms and send them to Pete for rewording/definition.
- 48 • Pete wants send the whitepaper out to PWG-wide list, and also allowing time for MFD
- 49 group's review comments first.
- 50 ○ **AI:** All to review and comment within two days by next Monday and send to
- 51 Pete.
- 52 ○ **AI:** Pete to send the whitepaper out by next Tuesday, distribute to PWG-
- 53 announce list on Thursday.
- 54 ○ **AI:** Pete will post MS Word version out with line numbers for ease of providing
- 55 comments.
- 56

57 6. Status of Various Specifications

- 58 • MFD Overall specification was updated; latest version dated Jan. 4.
- 59 • Copy Service spec was updated (latest version: Jan. 2) is in very good shape, though so
- 60 far there is no commitment for Xerox internal implementation (prototype) yet.
- 61 • Plan to get CopyService ready for PWG Last Call before continuing on FaxOut Service.
- 62 • FaxOut Service spec was converted to new format and flushed out, to be discussed in
- 63 future teleconferences.
- 64 • Print Service, Scan Service and Resource Service have been approved.
- 65 • The MFD System and Administration Service has an unofficial straw-man proposal
- 66 which needs tremendous amount of time and effort. Pete plan to integrate that into the
- 67 MFD model as MFD System Service which is a service that administrate other services:
- 68 the ability to manage MFD subunits (view/modify/startup/shutdown/enable/disable),
- 69 access to system-wide counters, retrieve counters of all services at one time (great for
- 70 diagnostics and accounting). Power management currently has description elements in
- 71 SystemDescription. It will have top-level features managed by the MFD System Service.
- 72 The proper file name and content for the MFD System and Administration Service will
- 73 be discussed in future MFD teleconferences.
- 74 • PWG semantic schema (v1.88 latest):
- 75 ○ Need to discuss the operation table documented by Bill and synchronize all
- 76 services with that list.
- 77 ○ Print service has been flushed out for the support of web service mapping of IPP,
- 78 still needs to sync with Bill's table.
- 79 ○ Document operations are in Print Service schema but not in Overall spec, since
- 80 they were recently added into IPP v2.2. IPP v2.1 or v2.0 does not have document
- 81 operations. Pete plans to have three profiles, each has different level of service
- 82 support for web service mapping of IPP. Printer advertise its three levels of print
- 83 web services, it's implementation specific whether to bind the different level of
- 84 web services to different port, or use service URL to determine its level of web
- 85 services support. Printer will have configuration capability for its level of support
- 86 through metadata or operation of the service.
- 87 ○ All MFD services share the same name space, therefore the operations for each
- 88 service has a unique service name such as "Print", "Scan", embedded to
- 89 differentiate them in the WSDL file to avoid name conflict for compilation.

- 90 ○ Each operation's request and response messages are separated from WSDL file
- 91 into a different XSD file so that they can be easily validated by using a non-
- 92 WSDL validation tool.
- 93 ○ Pete to correct Ira McDonald's name in schema.
- 94 ○ WSDL hides its namespace definition inside its "types" element where all the
- 95 schema are all imported, instead of the root of the document.
- 96

97 **7. Next Step:**

- 98 ● Next teleconference in one week on Jan. 14, Thursday, 3pm EDT.
- 99 ● Discuss MFD Overall (main agenda) & DelayOutputUntill/DelayOutputUntilTime.
- 100 ○ Bill will incorporate Pete's DelayOutputUntil/DelayOutputUntilTime detailed
- 101 description in the Overall spec for discussion.
- 102 ● Bill will post doc file for the Overall spec for next teleconference.