

1 **PWG MFD Working Group Teleconference Meeting Minutes**  
2 **October 29, 2009**

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4 **Attendees:**

5 Lee Farrell, Canon  
6 Ira McDonald, High North, Inc.  
7 Jerry Thrasher, Lexmark  
8 Bill Wagner, TIC  
9 Peter Zehler Xerox

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11 **1. Identify Minute Taker – Peter Zehler**

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13 **2. Approval of minutes from last face-to-face meeting:** [ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-fff-mfd-](ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-fff-mfd-minutes-20091013-14.pdf)  
14 [minutes-20091013-14.pdf](ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-fff-mfd-minutes-20091013-14.pdf)

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16 No objection to the minutes.

17  
18 **o PWG process**

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

21  
22 **3. Agenda bashing**

23 Added Discussion of MFD Requirements Document and discussion of PWG support of MFD work.

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25 **4. Resolve PrinterResolution representation (PrintServiceCapabilities)**

26 Current definition has the supported printer resolutions represented as a range of integers in the feed  
27 and crossfeed directions along with a units enumeration. Most printers and MFDs do not support a  
28 continuum of values. They support a set of value pairs for the feed and crossfeed directions.  
29 Consensus was reached to modify the schema to represent the supported resolutions as a set of  
30 resolution values (i.e. feed, crossfeed, units). This also cleans up the CIM mapping.

31  
32 **5. Discuss Media, MediaType and MediaCol representation in <service>DocumentProcessing and**  
33 **IPP/WS-Print mapping**

34 Current definition has media represented as either Media or MediaCol. MediaType is a member  
35 element of MediaCol. Existing systems represent media as a media name and its type. The proposal is  
36 to change the representation of media to reflect this. Consensus was reached to modify the schema to  
37 represent media as either Media and MediaType or MediaCol. MediaCol will continue to also contain  
38 MediaType. This change cleans up the mapping to WS-Print.

39  
40 **6. Discuss Copy Service Semantic Model and Service Interface- Interim Draft**

41 [<ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdcopymodel10-20091007.pdf>](ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdcopymodel10-20091007.pdf)

- 42 **o Global:** Clarified issue (mainly in MFD specification) over the extension points “Any” and  
43 “AnyAttribute”. A description will be added to the MFD specification to clarify both extension  
44 mechanisms. Although both of these are built in XML entities and begin with a lowercase ‘a’  
45 we will use the uppercase ‘A’ throughout the documents to highlight their use in the model as  
46 extension point elements/attributes.

- 47 ○ 359: CopyServiceCapabilities and CopyServiceCapabilitiesReady will be added after the
- 48 CopyJobTicket is is stable. Placeholders for both sections will be added until the sections are
- 49 eventually filled out.
- 50 ○ 304-337: Reorder paragraphs to match figure
- 51 ○ Global: Do not capitalize Group or Elerlemnts
- 52 ○ 344: Add forward reference to CopyJobReceipt
- 53 ○ 387: Change IsAcceptingJobs description to “EnableCopyService & DisableCopyService
- 54 operations set the value of this element”
- 55 ○ 387: Replace “MFD element” with “CopyServiceStatus element”
- 56 ○ 388: Replace “MFD element” with “CopyServiceStatus element”
- 57 ○ 398: Change to “MUST contain zero documents
- 58 ○ Global: Replace CopyDocument with appropriate reference to Hardcopy Document or Digital
- 59 Document
- 60 ○ 251: Add a list of terms used

## 62 **7. Discussion of MFD Requirements Document**

63 Consensus was reached that a single requirements document for the MFD work is a good idea. Bill  
64 will draft an initial version with assistance from other members of the MFD group.

## 65 **8. Discussion of MFD participation and support**

66 For reasons unknown the interest and participation has dropped off in the MFD work. Pete said he had  
67 always viewed the MFD work as a precursor to defining a complete MFD protocol. Perhaps a Web  
68 Services protocol binding could be the follow on to IPP. Pete said he would like to see IPP evolve into  
69 a full imaging peripheral protocol. A Web Services based mapping could address a number of IPP  
70 shortcomings including service discovery, security and eventing. With the inclusion of the System  
71 object and subunits the protocol can address not only service use and management but device  
72 monitoring and management as well. There is an opportunity to reengage the PWG in this work in the  
73 upcoming “IPP Everywhere BOF”. Pete volunteered to write up a short white paper. The paper will be  
74 circulated in the MFD group for comment before being brought to the PWG at large.

## 76 **9. Next Steps**

- 77 ○ Pete will have updated Schema and updated Copy Service document. Review will continue to
- 78 use the October 7 draft and continue starting at section 8.1
- 79 ○ Pete will draft a whitepaper on MFD work and protocol binding goal
- 80 ○ Bill will have a draft MFD Requirements document
- 81 ○ Next meeting is November 12.
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