

1 **PWG MFD Working Group Teleconference Meeting Minutes**  
2 **May 14, 2009**  
3

4 **1. Attendees:**

5 Nancy Chen, Okidata  
6 Lee Farrell, Canon  
7 Ira McDonald, High North Inc.  
8 Glen Petrie, Epson  
9 Bill Wagner, TIC  
10 Peter Zehler, Xerox  
11

12 **2. Introduction & PWG IP Policy :**

13 Peter Zehler, the MFD Working Group Chairman reminded attendees the meeting is being  
14 conducted in accord with the PWG IP policy. No objection.  
15

16 **3. Minutes Taker Assigned: Nancy Chen**  
17

18 **4. Agenda:**

19 There was no objection to the agenda below:

- 20 (1) Identify Minute Taker  
21 (2) Approval of minutes from last meeting  
22 <ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-ftp-mfd-minutes-20090427-28.pdf>  
23 (3) Agenda bashing  
24 (4) Resource Service discussion  
25 (5) MFD specification discussion  
26 (6) Next steps – FaxOut specification  
27

28 **5. Approval of Minutes from Last Meeting**

29 The minutes was approved without change.  
30

31 **6. Review of Action Items from Face-to-Face**

32 We will review the action items in the next teleconference.  
33

34 **7. Review of Resource Service Specification Last Call Comments/Resolutions**

35 (Last Call Comments/Resolutions file: <ftp://ftp.pwg.org/pub/pwg/mfd/wd/MFD-Resource-LastCallCommentResolution-20090514.pdf> ,

36 Last Call Resource Service draft: <ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdresourcemodel10-20090417.pdf> )  
37

- 38
- 39 • We agreed to use the proposed TOC style that is consistent with Scan Service spec.
  - 40 • Discussion of Ira proposed text for Security Consideration
    - 41 ○ It's a good write up. We agreed to change the example or remove 'e.g. virus scan'.
    - 42 ○ For Static Resource, since the metadata such as DateTimeOfExpiration need also to be
    - 43 protected. It was suggested that text should be added to state that access to all metadata
    - 44 for Static Resources should also be restricted to authorized users. Normally the default
    - 45 policy should be that the alterations of metadata should be restricted to resource
    - 46 owner/creator, or authorized administrators. DateTimeOfExpiration or manufacturer's

47 copyright should be READONLY, even owner or administrator may not be allowed to  
48 modify. There might be cases when the Resource Service actually uses Form or Font  
49 license expiration enforcement software. But in Resource Service, we assume that the  
50 service enforces the expiration date and time of a Resource which is put in by the  
51 resource owner then stored by Resource Service.

- 52 ○ Some Resource license is expired by allowable usage count. Many vendor implements  
53 this feature. Hence the question of whether the Resource Service keeps the count of the  
54 usage of every Resource. We plan to discuss this further in the next meeting.
- 55 ○ Currently the Resource Service specifies that at the DateTimeOfExpiration, the resource  
56 MUST be deleted. However in reality, when a font/form is expired, it only becomes  
57 inactive or disabled; does not necessary need to be removed. If the fonts are deleted at  
58 expiration, then there is no way to optimize the license renewal – that is, getting a new  
59 license key still requires to download the entire set of fonts. For 100 printers, you would  
60 need to update them all through download. A one-time download process is much better.  
61 It was then suggested that there should be an option for user to delete or disable the  
62 resource at expiration. We agreed that:
  - 63 ■ Add ResourceIsExpired attribute of Boolean and reference  
64 DateTimeOfExpiration in the ResourceStatus of the ResourceEntry, make the  
65 default value ‘false’ indicating the license of the resource is not expired (still  
66 valid). If the value is ‘true’, the undeleted resource is expired. The Resource  
67 Service must block Store/Retrieve/ReplaceResource operations on the expired  
68 resources. Get/SetResourceElement still works, but should only allow user to set  
69 DateTimeOfExpiration; should not allow user to set DateTimeAtCreation,  
70 ResourceCreatorUserName. When the resource license is renewed, the resource  
71 should get a new ResourceID, DateTimeOfExpiration, but not ReplaceResource.  
72 This should be defined as an administrative operation.

## 74 8. Review of updated MFD Overall Document

75 (file reviewed: <ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdoverallmod10-20090513rev.pdf> )

- 76 • Question on WKV (WellKownValue) –
  - 77 ○ Some of the WKVs are simply a list of keywords. Some has multiple sets of keywords  
78 and extension pattern.
  - 79 ○ Simple type union is the way to encode Type2 enumerations. Type1 is IANA registered.  
80 Type2 is either IANA registered or PWG registered. Type3 enumeration also allows site-  
81 specific keywords by using the extension pattern. A union is more than one set of  
82 keywords, or keywords with site/vendor extension pattern.
- 83 • Pete will generate Schema diagrams from XMLSpy for Bill to replace LiquidXML diagrams.  
84 Pete will also provide Nancy the updated Resource Service Schema diagrams from today’s  
85 discussion.
- 86 • Service Mark Coordinate diagram is added as Figure 8. IPP parameters by which the print  
87 content region is defined are documented in Production Printing Set1 and Set2.
- 88 • Figure 3 Relationship within a MFD – the relationship between Services and each individual  
89 service currently shown as inheritance should be corrected to composition relationship. The same  
90 correction is needed for the relationship between the Subunits and each individual subunit. The  
91 Scan Service candidate standard spec has the same figure which can be corrected through PWG  
92 process by adding Errata to the spec.

93

94 **9. Next Step**

- 95 ○ Nancy will capture all required updates for Last Call comment resolutions and post the updated
- 96 document as lcrc- mfdresource10-2009xxxx.pdf (.doc)
- 97 ○ Next teleconference in two weeks on May 28, 2009, Thursday, 3pm EDT. We will focus on
- 98 reviewing the updated Resource Service spec.