

1 **PWG MFD Working Group Teleconference Meeting Minutes**  
2 **February 12, 2009**  
3

4 **1. Attendees:**

5 Nancy Chen, Oki Data  
6 Lee Farrell, Canon  
7 Ira McDonald, High North, Inc.  
8 Glen Petrie Epson  
9 Bill Wagner, TIC  
10 Dave Whitehead, Lexmark  
11

12 **2. Identify Minute Taker – Nancy Chen**  
13

14 **3. PWG IP Policy**

15 Attendees were called attention to be aware of the PWG IP policy. There was no objection.  
16

17 **4. Approval of minutes from last teleconference** [ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-](ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-minutes-20090129.pdf)  
18 [minutes-20090129.pdf](ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-minutes-20090129.pdf)

19 No objection to the minutes.  
20

21 **5. Agenda bashing**

- 22 • Focus on Scan Service state discussion, to cover some issues in some sections in Scan  
23 Service, Resource Service, and MFD Overall document.
  - 24 • Resource Service discussion
- 25 No objections to the agenda.  
26

27 **6. Discussion on Scan Service State and proposed change to section 10 of the specification**

- 28 • Pete showed the updated Scan Service state transition diagram which will be sent out  
29 tomorrow
  - 30 (1) Added a note stating that indicating the mechanism for transition between Down  
31 and Testing states is implementation specific. There is no longer a test() operation  
32 for the transition.
  - 33 (2) Question about whether the Unknown state should be added to the diagram. Ira  
34 said “yes” to not to digress completely from DPA. The transition from Unknown  
35 to Down is part of Scan Service Startup operation launched by the MFD System  
36 object “StartupService” operation that initializes the service data structures. The  
37 Startup operation continues from Down state to perform self-testing, then  
38 advertize itself and transit the service from Down to Idle state. There should not  
39 be transition directly from Unkown state to Idle state  
40 **AI: The Startup() operation from Down to Idle transition should be replaced with**  
41 **a note stating that the service Startup operation causes the service transits from**  
42 **the Unknown state through Down state to the Idle state.**
  - 43 (3) The ~C.critical in the diagram means the critical condition is cleared. This is not  
44 consistent with the legend used in the section. Also there should not be any  
45 condition causing state transition. Conditions may be tested. It’s event or  
46 operation causes state transition.

1 AI:

2 (1) Pete will change ~C.critical to “Critical Cleared” and remove state  
3 transitions caused by conditions.

4 (2) Pete will distribute the updated state transition and theory of operation to  
5 MFD email list for comment.

6 (3) Pete will publish the Scan Service spec for review in the meeting next week.  
7

- 8 7. Discuss any comments on the Resource Service interim draft. Objective is to move to the Last Call  
9 version for review at the Face to Face.

10 Specification:

11 <ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdresourcemodel10-20090206.pdf>

- 12 • Discussion of Resource Service state transition diagram  
13 (1) Need to make the same change to Scan Service transition diagram – replace the startup()  
14 operation that transits the service from Down to Idle state with a note stating that the Startup  
15 operation makes a sequence of state transitions from Unknown through Down to Idle state.  
16 (2) There should not be a transition from Unknown to Testing state, the only transition to  
17 Testing state is from Down state at which time all service data structures are initialized.  
18 (3) There should not be a restart() operation causing the transition from Testing to Idle state.  
19 This should also be changed in Resource Service state transition.

20 AI: Nancy will update the state transition tables and diagram.  
21

- 22 8. Discussion of the relationship between Server, System elements in the MFD Semantic Model.

- 23 • Server is defined as the root container of the MFD system. Services are created within the  
24 Server. System is the rollup of all the services in the Server. System provides total counts of all  
25 service usages.  
26 • To startup a service, there ought to be a StartupService(ServiceName) message sent to the  
27 System object that in turns signal the targeted service to perform startup operation. Currently  
28 there is no such operation defined in the System of MFD semantic model. These should all be  
29 defined in the MFD System Overall document to be created by Bill Wagner. More about the  
30 MFD System Overall semantics that need to be defined will be discussed in the meeting next  
31 week.  
32

- 33 9. Discussion of the agenda of the face-to-face meeting next week

- 34 • Review the updated state diagrams and tables  
35 • Discussion of the content of the MFD Overall system document – Bill Wagner will post a  
36 working draft for this document by Sunday for the discussion.  
37 • Review the status of the Scan Service and Resource Service specs.  
38 • No FaxOut Service discussion  
39

- 40 10. Next steps

- 41 • Resource Service spec will be updated as “prototype” draft and be distributed for review in  
42 face-to-face meeting.  
43 • After face-to-face meeting Scan Service will enter final vote stage, Resource Service will start  
44 PWG wide last call for comments.  
45 • See you all next week.