PWG MFD Working Group Teleconference Meeting Minutes
April 16, 2009

1. **Attendees:**
   - Nancy Chen, Oki Data
   - Lee Farrell, Canon
   - Ira McDonald, High North, Inc.
   - Glen Petrie, Epson
   - Bill Wagner, TIC
   - Peter Zehler Xerox

   MFD Chair Peter Zehler called the meeting in order.

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

3. **Approval of minutes from last teleconference**
   ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwgmfd-minutes-20090402.pdf
   No objection to the minutes.

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

5. **Agenda bashing**
   There is an on-going discussion about the relationship between the Schema of subunit and the
   actual subunit – device. This is added to the following agenda:
   - Results of Scan Service specification Formal Vote
   - Status of Resource Service specification
   - Status of MFD specification
   - Next steps
     - o Preparation for upcoming Face to Face meeting

6. **Status of Scan Service specification**
   (The spec used is: ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdscanmodel10-20090313.pdf)
   - Pete reported that the PWG-wide final vote for the Scan spec was closed on April 10, 2009.
     Currently PWG has no more than 19 members eligible for vote. The formal approval requires :
     - **-** YES vote by at least 66% of votes (excluding abstentions) without strong opposition (5)
       – **has been met**
     - **-** YES vote by at least 80% if there is strong opposition – **No strong opposition**
     - **-** At least 50% of the votes (including abstentions) are YES (4) – **has been met**
     - **-** Votes by at least 25% of eligible members (5) – **has been met**
   We have received more than the YES votes required. However Pete is still waiting for final
   confirmation from Harry Lewis or Jerry Thrasher to confirm the final count of the eligible
   voting members.

7. **Status of Resource Service Specification**

47   (The spec used is: ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdresourcemodel10-20090318.pdf)
48   • Resource Service MFD working group last call is now closed. Bill Wagner discovered that the
49   "Storage" subunit schema diagram is not consistent with the latest PWG Semantic Schema.
50   Nancy will update the Resource Service Prototype draft, and then prepare a Stable draft for
51   PWG-wide Last Call to span the next face-to-face meeting.
52   • Nancy reported that in Resource spec, the top-level construct of the collection of Storage
53   subunits is documented, but not in Scan Service. Ira explained that in PWG Semantic
54   documents, it is always the actual element of a collection or container element being
55   documented, the upper level construct does not mean anything but a container. Pete noted that
56   Scan service spec does have inconsistencies in this area which will be discussed later.
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58 **8. Status of the MFD Model and Overall Semantics Specification**
59   (The spec used is: ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdoverallmod10-20090325.pdf)
60   • Bill will send out another updated draft for the next face-to-face meeting that should be in a
61   good shape for a detailed discussion at face-to-face.
62   • Bill reported that describing the key values for elements in tabular form is cumbersome; he will
63   instead describe the name of the elements in the tables, list key values from the schema of
64   Well-Known-Values in the back of the document in the Appendix section. Ira recommended to
65   simply refer users/readers to the details in the published Semantic Schema.
66   • Pete reported that the version 1.70 of the PWG Semantic Schema and WSDL files for Print and
67   Scan is now available at the PWG MFD web site, with namespace dated up to 04-2009. In the
68   future the Schema and namespace will be further updated, but that should not affect the on-
69   going implementation as long as the semantics stay the same because only a SOAP wrapper
70   need to be used to move to the new name space.
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72 **9. Status of FaxOut Service Specification**
73   • Pete reported he is in the process of documenting the service for the MFD Overall semantic
74   spec. In the future the FaxOut Service spec will reference sections in the MFD semantic spec
75   that describe FaxOut Service overall semantics. Pete may present an outline of the FaxOut
76   Service, but we will mainly concentrate on discussing the MFD Overall Semantic spec in the
77   face-to-face meeting.
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79 **10. Discussion of the Relationship between the Subunit Schema and the Actual Subunit Device**
80   • The question is whether the top level element such as "Storages" is the subunit or the
81   underlying "Storage" is the subunit. Pete explained that "Storage" is the subunit that maps to a
82   row (an entry, this is an object) in the MIB, whereas "Storages" is the collection of similar
83   subunits which maps to a table (this is only a container) in the MIB.
84   • Question on whether the number of subunit in the collection is at most 1. Pete explained that he
85   has aligned the current schema with Microsoft's convention that the subunit container is
86   optional, and if the container exist, there must be at least one subunit in the container. In this
87   sense the current schema shown in the MFD overall diagram is not consistent in this area. Pete
88   will fix that. Ira reported this is consistent in CIM model.
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90 **11. Next Step**
91   • Pete to publish the latest Scan Service Schema.
92   • Pete to obtain the formal document number for the approved Scan Service spec.

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- Bill and Pete to publish the updated version of MFD Overall spec by next Wednesday (April 22) which will be the primary focus in the coming face-to-face meeting.

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- Nancy to update the Resource Service spec and prepare the Stable draft for PWG-wide last call, and announce the last call.

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- Pete to prepare summary slides for each of the services for face-to-face.

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- **Next teleconference: May 14, 2009, 3pm EDT.**