

1 **Meeting Minutes**
2 **PWG MFD Working Group Teleconference**
3 **May 29, 2008**

4 **Attendees:**
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Nancy Chen	Oki Data
Lee Farrell	Canon
Brett Green	HP
Ira McDonald	High North Inc.
David Whitehead	Lexmark
Peter Zehler	Xerox

- 6
- 7 • Pete briefed the meeting agenda:
- 8 1. Approve last meeting minutes ([ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-](ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-minutes-20080508.pdf)
9 [minutes-20080508.pdf](ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-minutes-20080508.pdf))
- 10 - There are two action items Pete will do in the next update:
- 11 1. Change TemplateID to TemplateGUID
- 12 2. Put verbiage around AccessMode provided by Ira.
- 13 - Nancy reported the status of splitting Template Service out from Scan Service document
- 14 - Template Service document is waiting for Template XML Schema ready for generating
- 15 the schema diagrams. Currently we do not have a way to co-edit the PWG SMv2 schema.
- 16 2. Review Pete's document on differences between PWG Scan Service and WS-Scan
- 17 3. Walk through the updated Scan Service Model document.
- 18 (<ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdscanmodel10-20080523.pdf>)
- 19
- 20 • The meeting minutes for the last teleconference meeting was accepted without change.
- 21 • Review the Scan Service Model document
- 22 - Schema
- 23 • Review the "Mapping issues between WS-Scan and PWG Scan Service"
- 24 (<ftp://ftp.pwg.org/pub/pwg/mfd/wd/PWG-WS-Scan-map-issues-20080522.pdf>)
- 25 1. JobTable has been added to PWG Scan Service to align with WS-Scan
- 26 2. Extension in WS-Scan is always a ##other which was what PWG SM used before but
- 27 encountered indeterminant schema issue (i.e. lookahead is needed to see whether the schema is
- 28 valid). This problem originated from splitting PWG SM schema into multiple name spaces.
- 29 Should we collapse multiple name spaces into one single PWG SM name space?
- 30 **Decision: converge into one single PWG SM name space.**
- 31 3. Configuration in PWG SM is the printer MIB – the subunits, each service has its view on the
- 32 subunits it depends on. WS-Scan configuration explicitly includes Scan specific subunits such as
- 33 ADF, film, and give parameters around the physical characteristics of the subunits.
- 34 4. PWG ScanServiceCapabilities maps to WS-Scan ScannerConfiguration.DeviceSettings (e.g.
- 35 format supported, brightness supported, etc.)
- 36 5. WS-Scan has Conditions in Status that maps to alert table which is not modeled in PWG SM. It
- 37 may be a good idea to add alert table in PWG SM. In PWG SM, the server is a good place to
- 38 include the alert table. WS-Scan also has Condition History which has all the conditions that are
- 39 removed.
- 40 **Decision: Add Microsoft's Conditions table for all services, devices and subunits to PWG**
- 41 **model rooted underneath Server. Add PWG extended conditions if there is any. Each**

1 condition entry has a link to the object where the alert occurred. (note: WIMS hides these in
2 event subscription table for WIMS management agent).

- 3 6. WS-Scan prefixes / replaces several names with Scanner: CurrentTime, ServiceName,
4 ServiceInfo which PWG SM reuses the semantics across services.

5 Decision: reuse PWG SM semantics across services.

- 6 7. WS-Scan has ##any for attribute extension, PWG only has extension for elements.

7 Decision: Use ##other for attribute extension.

- 8 8. StateReasons in WS-Scan and PWG SM are not identical. PWG SM has two additional
9 StateReasons which are applicable to WS-Scan.

10 Decision: add extension to achieve compatibility.

- 11 9. WS-Scan has OpticalResolutions and Resolutions; PWG has ScannerAddressability in Scanner
12 subunit and Resolution in Scan Service. Strictly speaking, scanner has OpticalResolution, the
13 Scan Service offers resolution by interpolation via image processing.

14 Decision: PWG SM has maximum OpticalResolution in subunit right now, needs to be
15 changed to the set of resolutions supported, both in subunit and service.

- 16 10. PWG DefaultScanTicket.ScanDocumentProcessing maps to WS-Scan
17 DefaultScanTicket.DocumentParameters.

- 18 11. PWG reuses DocumentFormat across services which maps to WS-Scan FormatSupported, and
19 Format

- 20 12. PWG reuses Contenttype, documentSizeAutoDetect, Brightness, Contrast, Rotation,
21 CompressionQualityFactor across services, each maps to WS-Scan ContentTypesSupported,
22 DocumentSizeAutoDetectSupported, BrightnessSupported, ContrastSupported, RotationSupport,
23 CompressionQualityFactorSupported respectively.

- 24 13. PWG reuses Magnification across services which maps to WS-Scan ScalingRangeSupported and
25 Scaling; but WS-Scan Scaling has different values. Peter will investigate further the differences in
26 values of scaling.

- 27 14. WS-Scan has ImagesToTransfer and InputSize; Peter needs to investigate further what these
28 mean.

- 29 15. PWG has JobState which in WS-Scan has extra states: Creating, Started, and Terminating but
30 missing the state: ProcessingStopped. This is an example of mapping a PWG JobState to
31 JobStateReasons in WS-Scan.

- 32 16. PWG reuses ImagesCompleted across services which maps to WS-Scan ScansCompleted.

- 33 17. PWG DateTimeAtCreation and DateTimeAtCompleted maps to JobCreatedTime and
34 JobCompletedTime respectively.

- 35 18. Pete has added JobSummary at JobCompletionEvent to align with WS-Scan.

- 36 19. PWG ScanJobReceipt maps to WS-Scan Documents.DocumentFinalParameters

- 37 20. MediaSides in WS-Scan has separate setting for the front and back of media sheet, PWG view
38 each media sheet as containing scan regions.

- 39 • Review the Updated Scan Service Model document:

- 40 1. Section 5 MFD Model Overview diagram still needs work.

- 41 2. Section 6 has some missing references.

- 42 3. Section 7 in ScanJobTicket Lifecycle description, anything related to Template will be deleted.

- 43 4. Missing reference on line #543.

- 44 5. Section 7.2.2.1.1 NumberUp : "list of numbers" should describe a list of integer number of
45 images that can be assembled into one page and give an example.

- 46 6. Section 7.2.2.1.15 OutputDocumentSize: Nobody knows what this element is. It is not in PWG
47 SMv1.0. Decision: This should be logical output media size for the output document page size
48 when rendering documents (e.g. PDF or XPS); make sense for assembling multiple images into

1 one page. Replace with MediaBox – which is PWG media size names including height and width
2 with unit definition.

- 3 7. Section 7.2.2.1.17 Rotation: Issue on line# 645, the allowed values in PWG SM is defined as a
4 list of integers, but XML mapping is a list of NMTOKENs, each keyword cannot start with a
5 number.
6 8. Section 7.2.3.4 Line#772: Change ISSUE to Note: PWG has a pending registration with IANA for
7 PWG SOAP channel type.
8 9. Section 7.2.3.10.1 Line#802: The OutputChannelDefaultJobControlLanguage is for output
9 document to a destination using “print” like protocol such as PJJ.

10
11 • **Next Step:**

- 12 - Continue to Review the same model document next meeting beginning page 39 Line 805.
13 - Pete will start to update the document based on today’s decisions.

14
15 • **Next Meeting**

- 16 - **June 5, 2008, Thursday, 3pm EDT**