

PWG Plenary Status Report Semantic Model Working Group

December, 2011

Austin, TX

PWG F2F Meeting

Peter Zehler (Xerox)

Purpose of the effort



The Semantic Model working group is concerned with the modeling of imaging services and subunits that comprise a network connected Multifunction Device. The Objectives are:

- Drive to a standard semantic definition for an MFD's Subunits, Services, Jobs and Documents.
 - Agreement on the semantics of their attributes, operations and parameters.
- Currently being addressed are PrintJobTicket and the SystemControl and FaxIn services.
 - The Print, Scan, Copy and Resource Services and the MFD Model and Common Semantics specifications have been completed.
- The definition of a framework for the complete MFD model is the objective.

Approved Documents:

Print Service: *Approved January 2004*

- PWG5105.1
PWG Semantic Model Specification Version 1.00
- <ftp://ftp.pwg.org/pub/pwg/candidates/cs-sm10-20040120-5105.1.pdf>

Scan Service: *Approved April 2009*

- PWG5108.02-2009:
Network Scan Service Semantic Model and Service Interface Version 1.0
- <ftp://ftp.pwg.org/pub/pwg/candidates/cs-sm20-scan10-20090410-5108.02.pdf>

Resource Service: *Approved July 2009*

- PWG5108.03-2009
Network Resource Service Semantic Model and Service Interface Version 1.0
- <ftp://ftp.pwg.org/pub/pwg/candidates/cs-sm20-resource10-20090703-5108.03.pdf>

Approved Documents:

MFD Common Semantics: *Approved April 2011*

- PWG5108.1
MFD Model and Common Semantics Version 1.00
- <ftp://ftp.pwg.org/pub/pwg/candidates/cs-sm20-mfdmodel10-20110415-5108.1.pdf>

Copy Service: *Approved June 2011*

- PWG5108.04
Copy Service Semantic Model and Service Interface Version 1.00
- <ftp://ftp.pwg.org/pub/pwg/candidates/cs-sm20-copy10-20110610-5108.04.pdf>

MFD Requirements: *Approved September 2010*

- Multifunction Device Service Model Requirements
- <ftp://ftp.pwg.org/pub/pwg/informational/req-mfdreq10-20100901.pdf>

Approved Documents :



FaxOut Service : *Approved August 2011*

FaxOut Service:

Semantic Model and Service Interface – July 5, 2011 Stable Draft

<ftp://ftp.pwg.org/pub/pwg/candidates/cs-sm20-faxout10-20110809-5108.05.pdf>

In Progress Documents:



Print Job Ticket: (Work in Progress)

PWG Print Job Ticket and

Associated Capabilities – October 28, 2011 Prototype Draft

<ftp://ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-sm20-printjobticket10-20111128.pdf>

FaxIn Service: (Work in Progress)

FaxIn Service:

Semantic Model and Service Interface – July 27, 2011 Interim Draft

<ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdfaxinmodel10-20110727.pdf>

System Control Service: (PWG Last Call)

MFD System Object and

System Control Service Semantics – November 2, 2011 Stable Draft

<ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdsystemcontrolservicemodel10-20111102.pdf>

In Progress Documents:

Schema Status:

- Named version (v1.27) published for MFD Model and Common Semantics
- Latest (v1.155) Up to date with In Progress specifications
 - Most of JPS3
 - IDS SystemHealth linked to SystemStatus
 - Dublin Core metadata added to DocumentDescription

Remaining Services



- Services planned to be addressed after the current Services are complete. (Subject to change based on group consensus)
 - Transform Service (Initial discussions have begun)
 - EmailIn Service
 - EmailOut Service

Next Steps



- Complete the work on the Print Job Ticket and Associated Capabilities specification
- Complete the work on System Service and FaxIn specifications
- Update the MFD Model and Common Semantics Version 1.0 to be the PWG Semantic Model Specification Version 2.0
- We need people to step up as editors of remaining service specifications. The MFD specification reduces the amount of work to produce a service specification. The current Copy specification and FaxOut specification can be used as templates.

More Info/How to participate



- **We welcome more participation from member companies**
- **The group maintains a Web Page for Semantic Model that includes links to the latest documents, schema and a browsable version of the schema**

<http://www.pwg.org/mfd>

More Info/How to participate



- **Information on subscribing to the Semantic Model mailing list is available at <<https://www.pwg.org/mailman/listinfo/mfd>>**
- **MFD holds periodic phone conferences, with dates, call numbers and agenda announced on the MFD mail list.**