

PWG Plenary Status Report Semantic Model Working Group

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Cupertino, CA
PWG F2F Meeting

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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 – September 23, 2011 Interim Draft

<ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-sm20-printjobticket10-20110923.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: (Work in Progress)

MFD System Object and

System Control Service Semantics – September 25, 2011 Interim Draft

<ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdsystemcontrolservicemodel10-20110925.pdf>

In Progress Documents:

Schema Status:

- Named version (v1.27) published for MFD Model and Common Semantics
- Latest (v1.145) Up to date with In Progress specifications
 - JPS3 included except for section 6 “Additional Semantics for Existing Operations”
 - IDS Security schema being updated but has not yet been linked to any Semantic Model elements.

Remaining Services



- Services planned to be addressed after the current Services are complete. (Subject to change based on group consensus)
 - Transform Service
 - 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.**