# MFD Face-to-Face Minutes
## May 27, 2011

Meeting was called to order at approximately 1:00pm local on May 27, 2011.

## Attendees

Nancy Chen (Oki Data - call in)
Ira McDonald (High North/Samsung - call in)
Glen Petrie (Epson - call in)
Michael Sweet (Apple)
Jerry Thrasher (Lexmark)
Bill Wagner (TIC)
Pete Zehler (Xerox)

## Agenda Items

1. IP Policy and Minute Taker
   a. Policy accepted with Mike taking the minutes
   b. Previous minutes accepted
2. MFD FaxOut
   a. Two comments from Bill and Nancy not applied
3. MFD System Object and System Control Service
   a. ftp://ftp.pwg.org//pub/pwg/mfd/wd/wd-mfdsystemcontrolservicemodel10-20110513.pdf
   b. DisableAllServices, EnableAllServices, RestartAllServices
       - Clarify that they do not act on system control service
   c. RestartSystemControlService
       - Fold into RestartService
       - Implementation may restart all services or just the system control service
       - Document that "hard" or "soft" reboot behavior is implementation-defined
       - Services return to idle states, at least temporarily - amend definition for all restart operations to explain that this is just the initial state and that queued jobs will be processed normally
       - MFD Model section 7.3.2.9 is vague on this
       - Also document StartServicePaused - initial state is Stopped instead of Idle
   d. PauseAllServices*, ResumeAllServices
       - Clarify that they only apply to services that process jobs
   e. DeleteService must fail for System Control Service with an error
   f. GetSystemElements
       - Only support simple XPath "Foo.Bar.Blaz" expressions
       - Document that implementations *could* support more complex XPath, but not required
       - Only support elements from System and SystemControlService objects
       - Use GetElements for other services
   g. ListServices
       - ServiceUuid should be optional
       - QueuedJobCount should be optional in the schema and conditionally required for job services
       - Rename to ListAllServices
       - Includes Resource, SystemControl, etc. (really all services)
   h. StartupAllService -> StartupAllServices
       - Also return optional ServiceUuid
   i. RestartService, ShutdownService, others?
       - Add ServiceType, ServiceId
   j. Power
       - Not needed since we have SetSystemElements
   k. SetSystemElements
       - For multi-valued objects, request includes Id as key to control which row gets updated
       - Rule: you can only set one row of a table
       - Need changes to model for InputTray (and possibly other subunits) to move settable Status values to the Description group
       - Fix schema to copy abstract power stuff to subunit concrete classes (optional)

- Set simple value, row of a table, or an entire table
- Specify row using index
- Set using index == # entries adds (appends) a row and generates Id (as needed)
- Delete row requires out-of-band value from RFC 3380
- Need object name, object id, row index
- Value is sparsely populated tree, providing table replaces the whole table

## Next Steps / Open Actions

- Next conference call June 9, 2011 at 3pm (EDT)
- Update schema
- Track errata for MFD Model
- Update draft of system control service
- PWG Last Call of FaxOut
- PWG Formal Vote for Copy
- Action: Mike to send email to Pete concerning table-of-contents styles (ONGOING)