Meeting Minutes
PWG MFD Working Group Teleconference
June 5, 2008

Attendees:

Nancy Chen	Oki Data
Lee Farrell	Canon
Ira McDonald	High North Inc.
David Whitehead	Lexmark
Peter Zehler	Xerox

1. The last meeting minutes (ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-minutes-20080529.pdf) was accepted without change.
2. Pete reported that he will have another update for Scan Service Model document before next face-to-face meeting.
3. Pete mentioned he had discussed with Mike Fenelon on the biggest differences between PWG Semantic Model and WS-Scan:
   - WS-Scan does not have Capabilities; other WSDs for other services do use Capabilities to support job tickets. The Scanner element in WS-Scan schema has Configuration which represents platen, film reader, and ADF, but not other useful subunits such as MediaPaths, Input/Output Channels, Memory, …, etc. In WS-Scan, Configurations has DeviceSettings that contains supported values for parameters in scan ticket. In PWG semantics, Configuration is consistently used for all services to represent subunits that are the components of the device on which the service resides; Capabilities are allowed values for elements in the ticket; DefaultTicket has default values for the ticket. These are where there are quite a bit mappings between to two. These will be discussed further at the coming face-to-face meeting.
4. Continued Review of the Scan Service Model document (ftp://ftp.pwg.org/pub/pwg/mfd/wd/ wd-mfdscanmodel10-20080523.pdf):
   - Line# 817: Issue on what OutputChannelAuxInfo is based on? It does not have a corollary object in Printer MIB. Ira said it's metadata about OutputChannel that is channel-specific. It allows different channel to use different character set making impossible to write a parser. It was abandoned in CIM mapping, and replaced with ChannelDescription which is missing in Print schema. Decision: Replace OutputChannelAuxInfo with OutputChannelDescription.
   - Line# 877: Issue on whether this should remain or using scan counter itself. Decision: Replace it with Counters element.
   - Line# 903: "Transformer" element in Scanner is a place holder currently. Either this will be removed or replaced with ScanServiceNativeTransformer that models the device performing image transformation itself. It should not provide first class transform interface even at the abstract level. What kind of API should be exposed from the Transform subunit is unclear at this point. This was left as an open issue until the need of Transform subunit is clear.
   - ScanServiceStatus now has an attribute "key" that uniquely identifies the service. This is generic to all imaging services.
   - ScanJob is now better aligned with WS-Scan; there is a JobTable that has ActiveJobs and JobHistory queues. ScanJobReceipt is DocumentFinalParameters in WS-Scan. Action Items:
     - JobState must be mandatory, not optional.
     - Make a note that if NumberOfDocuments is missing, what value shall be assumed.

- ScanJobTicket includes ScanJobDescription which is not in IPP job ticket (called job template element, only contains processing properties).
- ScanDocumentProcessing:
  - Issue on MediaSides: Should we allow processing front and back side of media differently (WS-Scan allows this)? Ira: You can in DPA or IPP. IPP accomplishes this through page exceptions.
    Decision: No change for now.
  - Issue on OutputDocumentColor: Should we use WS-Scan's keyword approach (ColorEntry element)? This is fine as long as we use the keywords in common use.
    Decision: Use WS-Scan's ColorEntry.
- ScanJobDescription:
  - Added a sequence that contains Template metadata information which can be copied from the template retrieved from a Template Service.
  - Action Item: TemplateInfo is missing from the sequence.
- ScanJobProcessing:
  - BatchMode: This scan mode looks for physical job ticket or document ticket. PhysicalTicketMode is a more descriptive name for the mode operation.
  - Decision: Change BatchMode to PhysicalTicketMode.

- Next Step:
  - Pete will make another update of the Scan Service Model document and schema based on today's decisions before face-to-face meeting.
  - Nancy will publish another update of the Template Service model document to include correct schema diagram for operations.
  - Plan for next face-to-face meeting:
    - Discussion of Scan Service operations
    - Discussion of Template Service, high level issues
    - WS-Scan alignement issues (Capabilities, Configurations, representation of subunits, initial definition of Conditions, etc.