Meeting Minutes

PWG MFD Semantic Model Teleconference
August 30, 2007

Attendees:

Peter Zehler	Xerox
Nancy Chen	Oki Data
Lee Farrell	Canon
Glen Petrie	Epson
Bill Wagner	TIC
David Whitehead	Lexmark

- **Meeting Minutes of the last teleconference on August 23 was approved without change.**

- **Peter Zehler brought up the issue of how to properly represent the capabilities in the schema for the group to consider:**
  - Most of the attributes in XML schema are represented in simple type right now; there are no 'Min' and 'Max' values. This has no problem with representing Job and default Job ticket; however it's difficult to represent capabilities.
  - Currently xxx-supported is an actual value that does not have 'Min' and 'Max' for representing capability. One way is to define a local XML element with the same name but with the syntax of 'Min' and 'Max' to represent capabilities.
  - Another alternative is to decorate each of the elements in Job and Job Ticket with 'Min' and 'Max' attributes in addition to the allowed value. The issues are that users don't need the 'Min' and 'Max' values for their job tickets; it is more difficult to get a list of allowed values this way, however the difficulty is not insurmountable.
  - Pete would like to hear members' preference for XML representation of the capabilities.

- **We continued the review of the remaining comments raised in emails since August 9 teleconference: (Note: the same draft document used for the last teleconference was used for discussions:** ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdscan10-20070820.pdf)
  1. At line 287 of the draft, We agreed to delete "Whether the request message is synchronous or asynchronous is the implementor's decision".
  2. In the use case "Walk-up User Creates Scan Templates", we discussed the differences between the terms "local scan client", "local client", "local UI", and "MFD UI". A MFD UI is what a user directly interfaces with; it is not the same as a MFD client; a local scan client is only a part of MFD client (which includes print client, etc.). It's the scan client talks to the scan service. There are times a scan UI might talk to the scan client to get what it needs but not talk to the scan service at all. It was noted that in the last teleconference we agreed to add clarification in the definition of "Local Scan Client" that it is accessed through the local UI. For clarity, we agreed to use "local scan client" for all "local client". We also agreed that a scan service is always hosted either locally on a

MFD or remotely on other device external to a MFD (i.e. the MFD only has a dumb UI and a local client). This clarification should be added to the definition of "Scan Service". The processing flow steps of the this use case was clarified accordingly using the new definitions as follows:

> Step 1. User walks up to MFD and requests to create a new template.
> Step 2: The Local Scan Client request job description elements and associated default value from the Scan Service.
> Step 3: The Local Scan Client composes a template with default values.
> Step 4: The user modifies the template to meet their scan intent.
> Step 5: The Local Scan Client validates the user modified scan template.
> Step 6: The user designates the template storage location (i.e. at the Scan Service or a specific Template Repository).
> Step 7: The Local Scan Client request the Scan Service to store template at the specific storage location. (Default location is MFD).

3. Using the same clarifications agreed in **2.**, the processing steps for the use case "Walk-up Scan – Pre-created Scan Template" are changed to:

> Step 1. User places hardcopy document on platen or ADF (automatic document feeder).
> Step 2: From the Local Scan Client, the user select the scan template to use for their scan job intent
> Step 3: The user, using the Local Scan Client, fills out the scan template for their scan job intent
> Step 4: The Local Scan Client sends the user's scan job template to the Local Scan Service
> Step 5: The Local Scan Service instantiates the scan template to a scan job ticket.
> Step 6: The Local Scan Service instantiates a scan job and bound the job to the previously created scan job ticket, then schedules the user scan job.
> Step 7: The Local Scan Service executes the user's scan job.
> Step 8: The Local Scan Service stores the digital document at the specific storage location.
> Step 9: The Local Scan Service notifies the MFD Scan Client that the scan job is complete.
> Step10: The Local Scan Client notifies the user the scan job is complete based on the information in the scan job ticket.

4. The comments on the Design requirements of the use case "Walk-up Scan – Pre-created Scan Template" were withdrawn.

5. We agreed to delete the Step 2 of the use case "Walk-up Scan and Store Document" because the use case has nothing to do with template.

6. The flow steps for the "Walk-up Scan and Store Document" use case will need to be updated according to the clarification between MFD/local UI, scan client, and scan service discussed above. Glen will update the flow steps.

- **Next week teleconference is on EDT September 6th, 3pm. We will continue today's discussions.**