**PWG Semantic Model Working Group Teleconference Meeting Minutes**

**January 19, 2012**

**Attendees:**

Nancy Chen, OkiData

Glen Petrie Epson

Paul Tykodi Tykodi Consulting Services LLC

Bill Wagner TIC

Peter Zehler Xerox

1. **Identify Minute Taker –** Peter Zehler
2. **PWG Process**

Attendees were informed that the meeting is held in accord with the PWG Intellectual Property Policy. There was no objection.

1. **Approval of Minutes**

The last meeting minutes: **<**<ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-minutes-20111207.pdf>> was accepted.

1. **Agenda bashing**

No objection to the agenda.

1. **Discuss Transformation Service**
2. Initial intent of transform service was to parallel the other existing services in the model
   1. This means that Transform WILL have Jobs and Job Tickets.
   2. Transform looks like any other service and has the same state transitions for Service, Job and Document.
   3. A transform service is a service in its own right and not just limited to a helper class
3. Two “modes” for the service. One is to convert an output format of one service into an acceptable input format for another service. The other mode is to transform a document from one form to another.
   1. Bothe “modes” can be accommodated by the existing Service/Job/Document model.
4. Model must accommodate streaming of data as well as simple storage
5. Various types of transforms were discussed
   1. Document Transform
   2. Output to other device Transform
   3. Device Specific Output Transform
   4. Job Ticket Transform
   5. Image Transforms
6. Can individual transform be named? Some early prototyping work used the output document format to name the transform. (e.g., application/pdf, application/vnd/ocr)
7. To list available document transforms two operations are provided; either specify input format and get output formats or specify output format and get input formats.
8. A new operation is needed to get additional information on a specific transform. Given an output document format the new operations will supply additional details such as DocumentFormatDetails.
9. To keep the same SM as in other service; then the list of transforms for the Transform Service is the Document Formats.
   1. Do we want to change DocumentFormat or add a new element call TransformFunctions
10. How does the Transform Service describe the capabilities of the individual transform?
    1. IPP has the ability to “color” attributes based on DocumentFormat.
    2. The Print service now has a constraint object to help Print Client.
    3. How to retrieve details of a specific transform
11. For specific transforms there is no way to specify alternative document formats. Perhaps the limits of a specific transform such as red eye correction is limited to the same output document format as the input document format.
12. There is editor for the transform service (but was not announce today)
13. **Next Steps**
    * Update & publish Schema
    * Next meeting is 1/26