Semantic Model Working Group
October 27, 2006 – Lexington, KY

Attendees:

Glen Petrie	Epson
Ira E McDonald	High North Inc
Ole Skov	MPI Tech A/S
Jerry Thrasher	Lexmark International Inc.
Chris Story	Ricoh Corporation
Harry Lewis	IBM
Lee Farrell	CDA
Josef Spillner	Dresden University of Technology, Germany
William A Wagner	TIC
Craig T. Whittle	Sharp Labs of America
Mike Fenelon	Microsoft
Paul Danbold	Apple
Yoshihiro Masuda	AXE Inc.
Ron Bergman	Ricoh Corp
Peter Zehler	Xerox

Minutes:

Pete Zehler presented an overview of the current organization of Semantic Model schema and a proposal for a new improved model. We reviewed class structure by walking through PWGSM_2_MFD.xsd. There was a discussion of pro's and con's of defining a separate namespace for each service. Pete explained the challenges of subclassing (ex. copy job as a subclass of image job), the use of import to achieve the desired result with multiple namespaces and the utility of separate namespaces in facilitating incremental releases as new functions are defined for MFD (since XML doesn't lend itself well to versioning). The use of style sheets and RelaxNG were also briefly discussed but not immediately adopted as a viable strategy. There was general acknowledgment that Pete has put a lot of thought into wrestling with tools and SM schema representation and that his new proposal appears much more workable than the existing organization.

Having exhausted schema architecture, discussion rapidly shifted to a broader consideration of MFD modeling in general. The group decided to choose a function (Copy service) and perform a modeling exercise.

A Copy Service was defined to contain a CopyJob. The CopyJob is initiated the moment any copy processing instructions are entered. These processing instructions constitute settings that will effect execution of the job. It is implementation dependent whether each setting must be entered or a default template is instantiated and modified. Either way, settings and data are bound to the CopyJob the when the "green button" is pushed. Some remote operations were defined such as getElements (status, copycount) and Cancel. We still need to resolve questions like… what is the copyJob state when a print job interferes? … and what is printJob state when a copy job interferes? We need to decide whether or not to constrain CopyJob to walk-up only and, if not, then how to deal

with the concept of a remote copyJob (there appeared to be general consensus that a copy job can be constrained as walk-up only).

We decided to continue the MFD modeling effort using UML. First pass will attempt to use a free "community" version of Magic Draw so everyone can utilize the same tool.

Next Steps:

1. Capture the CopyJob in UML as modeled at the f2f (Pete preserved original white board diagram)
2. Next model scanJob
3. Reset telcom time to try and accommodate more attendance.
4. Model other functions as we gain experience and momentum.
5. Assure time for interactive modeling session is scheduled at next f2f.