

# PWG Semantic Model Working Group

## Face-to-Face Minutes

### June 22, 2006

Pete Zehler - PWG SM Chairman

Craig Whittle - Acting Secretary

Meeting was called to order at approximately 12 p.m. EDT June 22, 2006 by Pete Zehler.

### Attendees

Ira McDonald	High North
Pete Zehler	Xerox
Craig Whittle	Sharp
Jerry Thrasher	Lexmark
Stuart Reiley	Kyocera
Lee Farrell	Canon
Bill Wagner	Consultant -Kyocera

### General Discussion

- Agenda:
  - 1) Agenda Bashing
  - 2) Walk through the updated straw man schema  
<<ftp://ftp.pwg.org/pub/pwg/Semantic-Model/Schema/PWG-SM-062106.zip>>
    - 2a) Extensibility of subclasses
    - 2b) ##other extension point and non-deterministic schema, common practice, container element for extension point
  - 3) Multifunction Jobs
  - 4) Job based usage counters
  - 5) SM 1.0 and SM 2.0 mappings
  - 6) Document usage counters
  - 7) Next steps
- SM 2.0 strawman was run through the XSD online validation tool. Pete said it ran fine. A local version of the same tool run by Ira still fails.

- Proposal for extending subclasses: Conflicts are created when extending base classes using “any ##other”. . Bases are only extended in subclasses (leaf classes only).
  - CONCENSUS: Rejected based on the better proposal below.
- Bases classes will include an “ExtensionPoint” to include a sequence of “any ##other”. Any derived class will acquire the “ExtensionPoint” from the base class. Fully qualified name prevent name collision from different vendors.
- Bill suggested and Pete agreed that sample instances of SM 2.0 should be included to validate the schema.
- The PrintService complex type describes an instance of the service. PrintJobs are now separated as a separate element in the higher level service sequence. Metadata from print service separated from metadata for job.
- PROPOSAL: Change xxxJobs to xxxQueue (where xxx is the name of the service). Have one queue per service (at least one must be instantiated).
  - CONCENSUS: Change all services to support one and only one queue which contain 0 or more jobs.
- Discussion held on how to charge for various services. Copy vs. scan/print. Flexibility is in the specification. Implementation likely to vary.
- Discussion of counters in SM2. Counters **MUST** be persistent. Management application must track deltas / time stamping. Vendors choose which counters to implement.
  - Include, by reference to counter spec., conformance statement for persistent requirements to SM2 schema.
- Protocols specifications should document mandatory or compliance elements (out of scope for SM2). SM2 schema has some “logically mandatory” minimum elements that reflect the “essence of our understanding” for required items.
- Job usage counters as currently defined in the counter specification will be included in SM2.

- Counters moved from service in WIMS to jobs in SM2 may not make sense. Pete / Ira need to re-factor job-related from service-related counters to the appropriate classes.
- Pete created sample XSLT to map semantic definitions from SM1 to SM2 (using Mapforce from Altova).

### **Next Steps / Open Actions:**

- Pete / Ira need to re-factor job-related elements from service-related counters and distribute these to the appropriate classes.
- Ira / Pete to update monitoring and availability objects in the counters specification to incorporate into SM2 as job and service objects.  
Create superclass?
- Next teleconference scheduled for July 12<sup>th</sup>.