



Printer Working Group

Semantic Model Work Group

Meeting Minutes

December 3, 2003
Provo, UT meeting

1. Working Group Items

- The mailing list is active (sm@pwg.org)
- The Semantic Model web page is available. (<http://www.pwg.org/sm>)
- Weekly teleconferences are being held. (See mail list for details)

2. Recently Approved Specifications

The following specifications have completed a formal vote and have been approved as Candidate Standards.

- IEEE-ISTO PWG Candidate Standard 5100.5-2003 - IPP Document Object specification
- IEEE-ISTO PWG Candidate Standard 5100.6-2003 - IPP Page Overrides specification
- IEEE-ISTO PWG Candidate Standard 5100.7-2003 - IPP Job Extensions specification

3. Semantic Model Document Last Call

- The Semantic Model has completed Last Call with only a few comments that were resolved.
 - Clarified relationship between Semantic Model and IPP in Introduction section
 - Reworked Printer definition in Model Overview section
 - Updated references
 - Clarified Semantic element name mappings in referenced specifications
 - Fixed JobStateReasons and DocumentStateReasons value keywords to align with IPP and JDF in section 7.2 and 7.3 tables
 - Deleted Semantic Elements to be Added section
 - Deleted Change Log section
 - Updated IPP mapping in appendix B
 - Minor editorial updates to correct names, fix formatting etc.
- Pete Zehler will publish a clean specification and begin the official vote for Candidate Standard.

4. Schema review

- The schema has completed Last Call with only a few comments that were resolved.
 - Simplified patterns used for KeywordNsExtensionPattern, MimeExtensionPattern, OperatingSystemNameExtensionPattern, StringNsExtensionPattern, MediaNsExtensionPattern and MediaSizeNameExtensionPattern
 - Added RepertoireSupported
 - Updated MasterListOfSemanticElements.xsd
- Pete Zehler will publish the updated schema (v0.98) and begin the official vote to move schema to v1.0.

5. Semantic Model Extension Process

The conversation was somewhat free form though we identified a few areas e.g. namespace, versioning, approval process. The intent of the Semantic Model and its related Schema is to accommodate extensions as needed by the PWG or participating vendors. The process and extensibility hooks will need to be documented. Pete Zehler will write up a proposal. The proposal might be included in the PWG Process document.

- Versioning was discussed for both the Semantic Model and Schema
 - The Semantic Model will not be updated and re-released each time an update is needed. Updates can be as simple as a new value or element. The intent is that the updates will be collected until an update of the Semantic Model is scheduled.
 - The Schema is structured for extensibility which will be documented. The schema itself has major and minor version numbers. Note that the instance documents do not contain version numbers. See namespace discussion below.
- Namespace issues for the schema were discussed.
 - The namespace would not be tied to the specific version of the schema. Applications must not require an update simply because there has been a minor update. The namespace must be stable.
 - The namespace URI will not resolve to the location of the schema files that are associated with the namespace.
 - The schema files will contain major and minor version numbers.
 - Since an instance document is valid for any minor version associated with a namespace there is no need for major/minor version numbers in instance documents.
 - An instance document will be upward and backward valid for all schema with the same major version number. It is only when a non-interoperable change is made that the major version number will be bumped and a new namespace adopted.
 - The latest schema will be published at a durable URL as well as a URL that indicates the major and minor version of the schema.
- Extension registration
 - Petitioners requesting an extension the Semantic Model and its associated Schema must submit a note to the SM working Group for approval.
 - The proposal must contain a detailed semantic definition, its name and location within the Semantic Model, syntax, any constraints, any well know keyword values, and the XML Schema snippet that would be included in the Schema. If the semantic is leveraging and extension to a specific protocol mapping (e.g. IPP, UPnP) then that specification should be referenced.
 - The proposal, once approved by the Working Group, will be included in an addenda located at a durable URL for the Semantic Model. The appropriate schema will be updated.
 - The formal approval of these proposals will come when the next revision of the Semantic Model is made and the updated specification and schema is brought up for PWG-wide review and vote.
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5. Participants

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