

## Semantic Model Workgroup Meeting Minutes August 1, 2016

### 1) Meeting Duration and Attendees

The meeting started late, at about 3:20 PM ET; but, because there was sufficient material to discuss and no IPP 3D call, the call continued on until 5PM. Attendees were.

Smith Kennedy (HP)  
Daniel Manchala (Xerox)  
Paul Tykodi (TCS)  
William Wagner (TIC)

### 2) Agenda

The following agenda was posted in the notice for the call. Comments following item indicate how the agenda item was addressed.

**(1) PWG IP Policy, Minute Taker, and Agenda Review [DONE]**

**(2) Status on Outstanding Action Items:**

- a. Paul to contact PWG members to prototype JDFMAP. [OPEN]
- b. Bill to continue working on IANA IPP element list for SM2 [CONTINUING]
- c. Identified SM2 update issues to be resolved in conjunction with IPP WG [See Discussion]
- d. PWG 3D Print Ticket project to be brought up at IPP 3D call (Smith) -[DONE]
- e. PWG 3D Print Ticket project to be brought up to PWG membership via Announce list [OPEN]

**(3) Other Identified Issues**

- a. Aside from PWG 3D Print Ticket Project, should we gin up “sample”3D Printing Job Ticket similar to cs-sm20-pjt10-20120801-5108.07.docx? Who, How, Why? [See Discussion]
- b. New SM web page (<http://www.pwg.org/sm/model.html>) [NOT ADDRESSED]
  - i. Should the Browseable Schema reference 1.185 or a later version? Should there be some explanation about it being ‘in process’
  - ii. Should the Browseable schema link start with the Print Service, or at the top of the model?
  - iii. Should there be a higher level introduction? Does going directly to ‘Table 1 without some explanation communicate what we want to the audience we are interested in?
  - iv. Should we add a corresponding 3D Print table?

**(4) Review of proposed August face-to-face slides (<ftp://ftp.pwg.org/pub/pwg/sm3/slides/Semantic-Model-August-2016-meeting.pptx>) [NOT ADDRESSED - Item discussed suggested slides needed revision]**

**(5) Selection of Action Items. Deciding on next conference call date. [See Action Items below]**

### 3) Discussion

**(1) SM2 Questions: It was agreed that:**

- (a) Questions relating to the IANA registry, description of attributes, consistency or applicability of attributes or values would be addressed to the IPP workgroup. Example areas include some of the IANA references, and whether there should be the use of collections in parallel situations.
- (b) With regard to questions of how IPP attributes should be handled in the SM, SM workgroup may ask for suggestions from IPP Workgroup, but decision is up to the SM

**Workgroup. Example is whether both simple and collection based (complex) elements for the same parameters should be retained, of whether simple elements should deprecated when corresponding complex elements are defined.**

**(2) PWG 3D Print Ticket Sample for the SM Web Page**

- (a) We discussed the approach of creating a example 3D Print Job Ticket based upon the the example in the PWG Job Ticket specification (cs-sm20-pjt10-20120801-5108.07.docx), but including elements appropriate to 3D Printing derived from the IPP 3D attribute extensions (ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp3d10-20160430-rev.pdf). It was understood that doing this without first updating the model to reflect the IPP 3D elements may result in an example inconsistent with the full SM 3D Print service, when that service is modeled. However, it was concluded that, without the interest that a 3D model example might produce, there is question about whether there would be enough interest to do the full 3D Print Service model.**
- (b) Paul Tykodi volunteered to do a first cut on this. Objective is to have this for face-to-face.**
- (c) Some time was spent looking at the PJT job ticket structure and the IPP 3D attribute extensions to get some sense of how the sample might be generated and what might be included. It appeared that incorporating the Job Template Attributes defined in section 8.1 of the IPP 3D Printing Extensions would provide a reasonable first cut.**

**(3) Other Examples for SM Web Page**

- (a) It looking at the PWG Job Ticket specification, it was apparent that there are three structures that provide a clear example of the PWG Semantic Model: The Print Job Ticket, the Service Capabilities, and the Print Job Receipt. Although PWG Job Ticket specification provides examples of the Print Job Ticket and the Service Capabilities, and provides a clear description of what is in the Print Job Receipt, an explicit example of the Print Job Receipt for the same job as the Print Job Ticket, would make things clearer. It was suggested that the Print Job Receipt example be added to the specification. Smith to the action item to request this.**
- (b) The Print Service capabilities and Print Job Receipt should be added to the SM web page.**
- (c) All three should be created and added to the web page for the sample 3D Print Job.**

**(4) 3D Print Service Model**

- (a) In looking at the information in IPP 3D attribute extensions, Daniel observed that much of the information necessary to define a 3D Print Service was in that specification.**
- (b) Daniel volunteered to take a first cut at generating the model for a 3D Print Service, based on the existing Print Service Model and including elements derived from the IPP 3D Attributes. Objective is to have this for face-to-face.**

**4) Action Items**

- i) Idea of creating Print Job Receipt example for PJT set to PWG. (Smith) -Done**
- ii) First Cut of 3D Print Job Ticket Example- Paul**
- iii) First Cut of 3D Print Service Model - Daniel**
- iv) Revised proposed Slides for SM F2F meeting - Bill Wagner**
- v) Paul to contact PWG members to prototype JDFMAP.**
- vi) Bill to continue working on IANA IPP element list for SM2**
- vii) Next SM call: August 8, 3-4 PM ET - Review progress and Slides**

**Submitted by Bill Wagner 4 August 2016**