

Semantic Model Workgroup Conference Call Minutes

September 26, 2016

The Semantic Model Workgroup Face-to-Face Conference Call was called to order at about 3:05 EDT and ended about 4:00.

(1) Administrivia and Introduction

- (a) Daniel Manchala (chair) officiated.
- (b) Minutes Taker: Bill Wagner
- (c) Attendees
 - a. Smith Kennedy (HP)
 - b. Daniel Manchala (Xerox, SM Chair)
 - c. Paul Tykodi (TCS, SM Vice-Chair)
 - d. Bill Wagner (TIC, SM WG Secretary)
- (d) Acceptance of Minutes
 - The minutes of the Semantic Model Workgroup meeting at the August Face-to-face meeting (<ftp://ftp.pwg.org/pub/pwg/sm3/minutes/SMWG-f2f-sm3-Minutes-20160824.pdf>) were accepted
- (e) Action Item Review
 - (i) First Cut of 3D Print Job Ticket Example- Paul : started
 - (ii) First Cut of 3D Print Service Model - Daniel: Development information posted on GitHub. Discussed later
 - (iii) Paul to contact PWG members to prototype JDFMAP: Continuing
 - (iv) Bill to continue working on IANA IPP element list for SM2: Continuing
 - (v) Bill to Create first cut 2D Print Job Receipt corresponding to 2D Print Job Ticket : Not Started
 - (vi) Break current projects into defined tasks, with schedules, for ability to create process charts for each chartered project: Not yet discussed

(2) Transfer of SM In-process Documentation to GitHub

- (a) Daniel opened the PWG GitHub account (<https://github.com/istopwg/>) and opened the [pwg-semantic-model](#) directory to show the current working model .xsd files.
- (b) The [sm3](#) directory contained the current work on the Print3D service, including a comparison chart containing IPP 3D description extensions and SM Print Service Description elements. The intent is to facilitate the selection of elements for the SM3 Print3D Service Description group.
- (c) The [sm3](#) directory also contained text files listing IPP 3D description extension attributes for Description and for Capabilities, along with existing Print Service elements for these areas.

(3) Consideration of Daniel's Print 3D Service Description comparison chart (<https://github.com/istopwg/sm3>)

- (a) Posted questions were addressed
 - (i) Use GitHub or FTP site for posting development aids? Daniel finds GitHub easier.
 - (ii) Verify source of SM2 Print Service Description Elements? Elements are valid, just in different order than in SM2 Pictorial.
 - (iii) Does model need to include documents as objects for 3D Print since IPP allows for Documents but does not provide much attribute control?
 1. Model effort must define gamut of 3D Print Services considered. OPEN ITEM
 2. Suggestion that Model could define more than one level of Print3D Service (but not approach used in past)
 3. First cut at Print3D Service will not include Document and Document Ticket elements, but such elements will be tagged for future inclusion.
 4. [In IPP Print3D session following SM session, Pete Basiliere observed that majority of the 3D Printing market will be at high, industrial prototyping and manufacturing end rather than at the consumer level. His comments further suggested that useful modeling of 3D printing should handle all seven 3D Printing technologies]
- (b) Daniel discussed the spreadsheet at <https://github.com/istopwg/sm3/blob/master/Print3DServiceDescription.xlsx>
 - (i) Column C, expected element name corresponding to IPP attribute, needs to be added. Bill W, agreed to provide this column.
 - (ii) IPP specific attributes do not map directly to Model, but may suggest parallel non-IPP specific elements
 - (iii) Although Document object attributes are to be flagged for future inclusion, some attributes with "document" in the name (such as document-format) may be necessary Job elements and must be included in the single Document Job Model.
- (c) Daniel introduced the PrintJobTicketCapabilities text, but there was little discussion.

(4) Next Steps and Action Items

- (a) Next Semantic Model Workgroup conference call will be at 1PM ET October 12, 2016. Time slot has been changed to conform with IPP conference call change.
- (b) Action Items:
 1. Contact PWG members to prototype JDFMAP pending JDFMAP requirements (Paul)
 2. Continue extract and remap names of IPP registry elements (Bill)

3. Generate sample 3D Print Job Ticket (Paul)
4. Continue with first cut at Print 3D Service schema (Daniel)
5. Create first cut 2D Print Job Receipt corresponding to 2D Print Job Ticket (Bill)
6. Smith Kennedy requested that current projects be broken into defined tasks, with schedules, for ability to create process charts for each chartered project.
7. Create first cut column C for "Addition to SM3 Semantic Data Model" spreadsheet (Bill)

Submitted by Bill Wagner 28 September 2016