

# Charter of the PWG Semantic Model (SM) Workgroup

Status: Approved

Copyright © 2015 Printer Working Group

<ftp://ftp.pwg.org/pub/pwg/sm3/charter/ch-sm30-charter-20151115.pdf>

## Semantic Model WG Chair:

Daniel Manchala (Xerox)

## Semantic Model WG Vice Chair:

Paul Tykodi (Tykodi Consulting Services LLC)

## Semantic Model WG Secretary:

William A. Wagner (Technical Interface Consulting)

## Mailing Lists and Document Directory:

PWG General Discussion: [pwg@pwg.org](mailto:pwg@pwg.org)

SM WG Discussion: [sm3@pwg.org](mailto:sm3@pwg.org)

To Subscribe: <http://www.pwg.org/mailhelp.html>

SM WG Documents: <ftp://ftp.pwg.org/pub/pwg/sm3>

## Problem Statement:

The Semantic Model workgroup is responsible for maintaining the PWG Semantic Model and defining new mappings and abstract models as needed to support interoperability and data exchange between Imaging Systems. The PWG Semantic Model is an abstract version of the Internet Printing Protocol model and semantics.

## Current SM WG Projects:

Current projects of the Semantic Model WG are:

(a) **Maintenance and Update of the XML Schema Representation of the Semantic Model and WSDL Representation of Operations** – maintain the XML Schema Representation of the PWG Semantic Model as Semantic Model 3 [SM3]. The Semantic Model is to be updated to reflect the approved work of other chartered PWG work groups. This maintenance includes keeping a current, browse-able version of the Schema and the WSDL on the PWG website. Maintenance of the Schema and WSDL is being managed by Daniel Manchala (Xerox).

(b) **Mapping CIP4 JDF to PWG Print Job Ticket v1.0 (JDFMAP)** – (*wd-smjdfmap10-yyyymmdd*) – define in a fully approved PWG specification a normative mapping from XML objects and attributes in the CIP4 Job Definition Format [CIP4JDF] to XML elements in the PWG Print Job Ticket and Associated Capabilities [PWG5108.7] The editors on the project are Ira McDonald (High North) and Rick Yardumian (Canon).

## **Out-of-scope:**

- **OOS-1.** Definition of any service management or job operations for Imaging Systems that are not network connected.
- **OOS-2.** Definition of any new document formats to be implemented in network Imaging Systems.
- **OOS-3.** Definition of any new workflow or orchestration languages.

## **Objectives:**

- **OBJ-1.** Define management requirements, use cases and architectural model for Semantic Model 3.
- **OBJ-2.** Define consistent names and semantics for these Semantic Model 3 objects that can be accessed through any supported network protocol.
- **OBJ-3.** Define and maintain a normative companion set of XML Schema and WSDL files for the Semantic Model 3.

## **Milestones:**

### **Charter Stage:**

- CH-1 Initial working draft of Semantic Model Workgroup Charter – August 2015 – DONE
- CH-2 Stable working draft of Semantic Model Workgroup Charter for Formal Approval – September 2015 – DONE

### **Definition Stage:**

- JDFMAP-1                      Prototype working draft of JDFMAP – Q2 2015 - DONE
- JDFMAP-2                      Stable Draft of JDFMAP - TBD