

Charter of the PWG Scan Working Group

Status: Initial

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Version 0.10

<ftp://ftp.pwg.org/pub/pwg/BOFs/scan/wd-scan-charter-20070421.pdf>

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Problem Statement:

Network print devices have evolved to support additional multifunction services, in particular scan service. Such network scan devices are imaging devices that are similar in many ways to network print devices. When network scan devices are installed in local office or enterprise networks, they need remote service, device, and job management capabilities so that administrators, operators, and end users can monitor their health and status. In addition, such network scan devices need remote job submission capabilities so that operators and end users can create sophisticated scan jobs (e.g., with image enhancement or image transformation) without depending entirely on local console interfaces. Currently service, device, and job management and job submission protocols for these network scan devices are fragmented and proprietary. A standard for service, device, and job management and job submission for these network scan devices would benefit both the imaging industry and the user community.

Scan WG Chair:

TBD [? Pete Zehler, Xerox]

Scan WG Secretary:

TBD

Scan WG Participants:

TBD

Scan WG Document Editors:

TBD

Mailing Lists:

TBD [? scan@pwg.org]

Out-of-scope:

- OOS-1. Do not define the compound service Scan-To-Email (distribution).

- 37 • OOS-2. Do not define the compound service Scan-To-Fax (distribution).
- 38 • OOS-3. Do not define the compound service Scan-To-Print (aka Remote Copy).
- 39 • OOS-4. Do not define any management for scan devices locally attached to PCs.
- 40 • OOS-5. Do not define any new document formats to be implemented in network
- 41 scan services or devices (e.g., alternatives to JPEG, etc.).

42 **Objectives:**

- 43 • OBJ-1. Define management requirements and usage models for network scan
- 44 services, devices, jobs, and documents.
- 45 • OBJ-2. Define an abstract architectural model of management objects and
- 46 semantics for the above set of requirements and usage models.
- 47 • OBJ-3. Define consistent names and semantics for these management objects that
- 48 can be accessed through any supported management protocol.
- 49 • OBJ-4. Define an abstract Scan Service Interface (SSI) consistent with the PWG
- 50 Print Service Interface (PWG 5104.2) and IETF IPP (RFC 2911) that:
 - 51 ○ (a) includes or references the above abstract architectural model;
 - 52 ○ (b) defines scan service, device, job, and document management
 - 53 operations; and
 - 54 ○ (c) defines scan job submission operation(s) for simple Scan-To-File jobs
 - 55 (i.e., scanning one or more physical media pages, performing any required
 - 56 image processing, and storing the results to one or more local or remote
 - 57 files).
- 58 • OBJ-5. Define an SNMP MIB in SMIV2 for the management objects in the
- 59 abstract architectural model.
- 60 • OBJ-6. Define a set of CIM MOF classes for the management objects in the
- 61 abstract architectural model.
- 62 • OBJ-7. Define a set of XML Schema files for the management objects in the
- 63 abstract architectural model.
- 64 • OBJ-8. Define a Web Services Binding of the abstract Scan Service Interface to
- 65 one or more public standard Web Services protocols.
- 66 • OBJ-9. Define an IPP Multifunction Binding of the abstract Scan Service
- 67 Interface to an extended IPP Multifunction protocol.

68 **Milestones:**

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70 **Charter Stage:**

- 71 • CH-1. DONE – Initial working draft of Scan WG charter – April 2007
- 72 • CH-2. Interim working draft of Scan WG charter – May 2007
- 73 • CH-3. Stable working draft of Scan WG charter – May 2007
- 74 • CH-4. PWG Formal Approval vote on Scan WG charter – May 2007

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76 **Definition Stage:**

- 77 • MODEL-1. Prototype working draft of Scan Abstract Model and
- 78 Requirements – Q3 2007

- 79 • MODEL-2. WG Last Call of Scan Abstract Model and Requirements – Q4
- 80 2007
- 81 • SSI-1. Prototype working draft of Scan Service Interface – Q4 2007
- 82 • SSI-2 WG Last Call of Scan Service Interface – Q1 2008
- 83 • MIB-1. Prototype working draft of Scan SNMP MIB – TBD
- 84 • MIB-2. WG Last Call of Scan SNMP MIB – TBD
- 85 • MOF-1. Prototype working draft of Scan CIM MOF Classes – TBD
- 86 • MOF-2. WG Last Call of Scan CIM MOF Classes – TBD
- 87 • XML-1. Prototype working draft of Scan XML Schema – TBD
- 88 • XML-2. WG Last Call of Scan XML Schema – TBD
- 89 • WS-1. Prototype working draft of Scan Web Services Binding – TBD
- 90 • WS-2. WG Last Call of Scan Web Services Binding – TBD
- 91 • IPP-1. Prototype working draft of Scan IPP Multifunction Binding – TBD
- 92 • IPP-2. WG Last Call of Scan IPP Multifunction Binding – TBD

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94 **Implementation Stage:**

- 95 • IMP-MIB-1. Interoperability event for Scan SNMP MIB – TBD
- 96 • IMP-MOF-1. Interoperability event for Scan CIM MOF – TBD
- 97 • IMP-WS-1. Interoperability event for Scan Web Services Binding – TBD
- 98 • IMP-IPP-1. Interoperability event for Scan IPP Multifunction Binding – TBD
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