

IPP Printer State Extensions

PWG Plenary
October 2006
Lexington

IPP-PSX Background / Rationale

- BMLinkS, a consortium of printer vendor in Japan, requested support for additional values for “printer-state-reasons”
 - Additional values needed to support finishing options
- Current “printer-state-reasons” attribute in IPP does not include needed values for secure monitoring of printers
 - The first definition of the "printer-state-reasons" attribute of the IPP Printer object was published in IPP/1.1 (RFC 2911)
 - The mapping of printer device and printer subunit alerts defined in the 'PrtAlertCodeTC' textual convention in IANA Printer MIB (originally published in RFC 3805) is very sparse
- IPP (including PSX extension) offers improved security over SNMP

IPP-PSX Objectives

- **Develop a "IPP Printer State Reasons Extensions" PWG Candidate Standard**
 - **Define new values for the IPP/1.1 (RFC 2911) "printer-state-reasons" attribute for:**
 - Every printer device and printer subunit alert defined in the 'PrtAlertCodeTC' textual convention in IANA Printer MIB
 - Every finishing device defined in the 'FinDeviceTypeTC' textual convention in IANA Finisher MIB
 - **Define a new "printer-alert" attribute that encodes all of the machine-readable columnar objects defined in the 'prtAlertTable'**
 - **Define a new "printer-alert-description" attribute that encodes the localized 'prtAlertDescription' object defined in the 'prtAlertTable'**

IPP-PSX WG Activities

- Working Draft
 - <ftp://pwg.org/pub/pwg/ipp/wd/wd-ippstate10-20061011.pdf>
- BMLinkS Feedback
 - BMLinkS has confirmed current proposal for “our first request is enough”
- Draft sent to up3i members for review / possible application with that standard
- To move to PWG Last Call a prototype is needed

IPP-PSX Milestones / Next Steps

- **Charter Phase**
 - C-1. DONE - 'Initial' working draft of IPP PSX Charter - 30 May 2006
 - C-2. DONE - 'Stable' working draft of IPP PSX Charter - 1 June 2006
 - C-3. DONE - PWG SC approval of IPP PSX Charter - 15 June 2006
- **Definition Phase**
 - D-1. DONE - 'Initial' working draft of PWG IPP PSX - 15 July 2006
 - D-2. 'Prototype' working draft of PWG IPP PSX - 15 September 2006
 - D-3. Prototyping report(s) on PWG IPP PSX - 15 December 2006
 - D-4. 'Stable' working draft of PWG IPP PSX - 15 January 2007
 - D-5. PWG Last Call of PWG IPP PSX - Ending 15 February 2007
 - D-6. PWG Approval of PWG IPP PSX - Ending 31 March 2007
 - D-7. IANA registration of PWG IPP PSX updates - 15 April 2007
- **Implementation Phase**
 - I-1. Interoperability Event for PWG IPP PSX - August 2007

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