

## IPPV1.0/1.1 REQUIRED OPERATIONS

Code	Name	Source	IPP Version
0x0002	Print-Job	RFC 2566	1.0
0x0004	Validate-Job	RFC 2566	1.0
0x0008	Cancel-Job	RFC 2566	1.0
0x0009	Get-Job-Attributes	RFC 2566	1.0
0x000A	Get-Jobs	RFC 2566	1.0
0x000B	Get-Printer-Attributes	RFC 2566	1.0
0x0016	Create-Printer-Subscriptions	RFC 3995	1.1 (Required if Notifications and Subscriptions are supported)
0x0017	Create-Job-Subscriptions	RFC 3995	1.1 (Required if Notifications and Subscriptions are supported)
0x0018	Get-Subscription-Attributes	RFC 3995	1.1 (Required if Notifications and Subscriptions are supported)
0x0019	Get-Subscriptions	RFC 3995	1.1 (Required if Notifications and Subscriptions are supported)
0x001A	Renew-Subscription	RFC 3995	1.1 (Required if Notifications and Subscriptions are supported)
0x001B	Cancel-Subscription	RFC 3995	1.1 (Required if Notifications and Subscriptions are supported)
0x001C	Get-Notifications	RFC 3996	1.1 (Required if Notifications and Subscriptions are supported)
0x0033	Cancel-Document	PWG 5100.5	1.1 (Required if Notifications and Subscriptions are supported)
0x0034	Get-Document-Attributes	PWG 5100.5	1.1 (Required if the Document Object is supported)
0x0035	Get-Documents	PWG 5100.5	1.1 (Required if the Document Object is supported)

## SIMPLE WORKGROUP PRINTER ENVIRONMENT CANDIDATE REQUIRED IPP OPERATIONS for V2.0

Code	Operation Name	Source	Ver	Ron	Novell	Sharp	Lexmark	CUPS	Ira	InfoPrint	Xerox	Consensus
0x0003	Print-URI	RFC 2566	2.0	C	C	C	B	C	C	C	B	O
0x0005	Create-Job	RFC 2566	2.0	C	C	C	C	C	C	A	A	O
0x0006	Send-Document	RFC 2566	2.0	C	C	C	C	C	C	A	A	O
0x0007	Send-URI	RFC 2566	2.0	C	C	C	C	C	C	C	B	O
0x000C	Hold-Job	RFC 2911	2.0	C	C	C	B	C	C	C	A	O
0x000D	Release-Job	RFC 2911	2.0	C	C	C	B	C	C	C	A	O
0x000E	Restart-Job	RFC 2911	2.0	C	C	C	C	C	C	C	B	O
0x0010	Pause-Printer	RFC 2911	2.0	C	B	C	B	C	C	B	A	O
0x0011	Resume-Printer	RFC 2911	2.0	C	B	C	B	C	C	B	A	O
0x0012	Purge-Jobs	RFC 2911	2.0	C	B	C	A	C	C	B	B	O

Priority Codes: **A** = Essential; **B** = Useful, but not critical; **C** = Not necessary; **O** = Optional; **R** = Required.

## ENTERPRISE PRINTER ENVIRONMENT CANDIDATE REQUIRED IPP OPERATIONS for V2.1

Code	Operation Name	Source	Ver	Ron	Novell	Sharp	Lexmark	CUPS	Ira	InfoPrint	Xerox	Consensus
0x0003	Print-URI	RFC 2566	2.0	C	C	C	B	C	C	C	A	O
0x0005	Create-Job	RFC 2566	2.0	A	C	A	B	A	A	A	A	R
0x0006	Send-Document	RFC 2566	2.0	A	C	A	C	A	A	A	A	R
0x0007	Send-URI	RFC 2566	2.0	C	C	C	C	C	C	C	A	O
0x000C	Hold-Job	RFC 2911	2.0	B	B	A	B	A	A	A	A	R
0x000D	Release-Job	RFC 2911	2.0	B	B	A	B	A	A	A	A	R
0x000E	Restart-Job	RFC 2911	2.0	B	B	A	C	A	A	A	C	R
0x0010	Pause-Printer	RFC 2911	2.0	A	A	A	B	A	A	A	A	R
0x0011	Resume-Printer	RFC 2911	2.0	A	A	A	B	A	A	A	A	R
0x0012	Purge-Jobs	RFC 2911	2.0	A	A	A	A	A	A	A	A	R
0x0013	Set-Printer-Attributes	RFC 3380	2.1	B	A	A	A	A	A	A	A	R
0x0014	Set-Job-Attributes	RFC 3380	2.1	B	B	A	A	A	A	A	A	R
0x0015	Get-Printer-Supported-Values	RFC 3380	2.1	A	B	B	A	B	A	A	A	R
0x0022	Enable-Printer	RFC 3998	2.1	A	A	A	B	A	A	A	A	R
0x0023	Disable-Printer	RFC 3998	2.1	A	A	A	B	A	A	A	A	R
0x0024	Pause-Printer-After-Current-Job	RFC 3998	2.1	B	C	B	C	B	B	B	B	O*
0x0025	Hold-New-Jobs	RFC 3998	2.1	B	B	B	C	B	B	B	B	O*
0x0026	Release-Held-New-Jobs	RFC 3998	2.1	B	B	B	C	B	B	B	B	O*
0x0027	Deactivate-Printer	RFC 3998	2.1	B	C	B	C	B	B	B	B	O*
0x0028	Activate-Printer	RFC 3998	2.1	B	C	B	C	B	B	B	B	O*
0x0029	Restart-Printer	RFC 3998	2.1	B	C	B	C	B	B	B	B	O*
0x002A	Shutdown-Printer	RFC 3998	2.1	B	B	B	C	B	B	B	B	O*
0x002B	Startup-Printer	RFC 3998	2.1	B	B	B	C	B	B	B	B	O*
0x002C	Reprocess-Job	RFC 3998	2.1	B	C	B	C	B	B	B	C	O
0x002D	Cancel-Current-Job	RFC 3998	2.1	A	C	B	A	B	B	B	B	O*
0x002E	Suspend-Current-Job	RFC 3998	2.1	B	C	B	B	B	B	B	B	O*
0x002F	Resume-Job	RFC 3998	2.1	B	C	B	B	B	B	B	A	O*
0x0030	Promote-Job	RFC 3998	2.1	B	C	B	B	B	B	B	A	O*
0x0031	Schedule-Job-After	RFC 3998	2.1	B	C	B	B	B	B	B	A	O*

Priority Codes: **A** = Essential; **B** = Useful, but not critical; **C** = Not necessary; **O** = Optional; **R** = Required; \* = needs further discussion.

## PRODUCTION PRINTER ENVIRONMENT CANDIDATE REQUIRED IPP OPERATIONS for V2.2

Code	Operation Name	Source	Vers	Ron	Novell	Sharp	Lex	CUPS	Ira	InfoPrint	Xerox	Consensus
0x0003	Print-URI	RFC 2566	2.0	C	C	C	na	C	C	C	A	O*
0x0005	Create-Job	RFC 2566	2.0	A	B	A	na	A	A	A	A	R
0x0006	Send-Document	RFC 2566	2.0	A	B	A	na	A	A	A	A	R
0x0007	Send-URI	RFC 2566	2.0	C	B	C	na	C	C	C	A	O*
0x000C	Hold-Job	RFC 2911	2.0	B	A	A	na	A	A	A	A	R
0x000D	Release-Job	RFC 2911	2.0	B	A	A	na	A	A	A	A	R
0x000E	Restart-Job	RFC 2911	2.0	B	C	A	na	A	A	A	C	R
0x0010	Pause-Printer	RFC 2911	2.0	A	A	A	na	A	A	A	A	R
0x0011	Resume-Printer	RFC 2911	2.0	A	A	A	na	A	A	A	A	R
0x0012	Purge-Jobs	RFC 2911	2.0	A	A	A	na	A	A	A	A	R
0x0013	Set-Printer-Attributes	RFC 3380	2.1	B	A	A	na	A	A	A	A	R
0x0014	Set-Job-Attributes	RFC 3380	2.1	B	B	A	na	A	A	A	A	R
0x0015	Get-Printer-Supported-Values	RFC 3380	2.1	A	B	A	na	A	A	A	A	R
0x0022	Enable-Printer	RFC 3998	2.1	A	A	A	na	A	A	A	A	R
0x0023	Disable-Printer	RFC 3998	2.1	A	A	A	na	A	A	A	A	R
0x0024	Pause-Printer-After-Current-Job	RFC 3998	2.1	B	C	A	na	A	A	A	A	R
0x0025	Hold-New-Jobs	RFC 3998	2.1	B	B	A	na	A	A	A	A	R
0x0026	Release-Held-New-Jobs	RFC 3998	2.1	B	B	A	na	A	A	A	A	R
0x0027	Deactivate-Printer	RFC 3998	2.1	B	B	A	na	A	A	A	B	R
0x0028	Activate-Printer	RFC 3998	2.1	B	B	A	na	A	A	A	B	R
0x0029	Restart-Printer	RFC 3998	2.1	B	B	A	na	A	A	A	A	R
0x002A	Shutdown-Printer	RFC 3998	2.1	B	A	A	na	A	A	A	A	R
0x002B	Startup-Printer	RFC 3998	2.1	B	A	A	na	A	A	A	A	R
0x002C	Reprocess-Job	RFC 3998	2.1	B	C	A	na	A	A	A	C	*
0x002D	Cancel-Current-Job	RFC 3998	2.1	A	A	A	na	A	A	A	A	R
0x002E	Suspend-Current-Job	RFC 3998	2.1	B	A	A	na	A	A	A	A	R
0x002F	Resume-Job	RFC 3998	2.1	B	B	A	na	A	A	A	A	R
0x0030	Promote-Job	RFC 3998	2.1	B	B	A	na	A	A	A	A	R
0x0031	Schedule-Job-After	RFC 3998	2.1	B	B	A	na	A	A	A	A	R
0x0036	Delete-Document	PWG 5100.5	2.2	B	B	A	na	A	A	A	A	R
0x0037	Set-Document-Attributes	PWG 5100.5	2.2	B	B	A	na	A	A	A	A	R

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