List of Printer MIB, UPnP, and Bluetooth Print Document Formats

<mark>ISSUES are highlighted like this.</mark>
File: Print-MIME-tab.doc, .pdf
Date: 1/16/2001

Enum (decimal)	Enum (hex)	Name or Acrnoym	MIME Media Type (already registered)	Description, including full title	Reference	Company or Organization (without location, since it changes)
1.	01	Other				
2.	02	Unknown				
3.	03	PCL	application/vnd.hp-PCL	Starting with PCL version 5, HP-GL/2 is included as part of the PCL language. PCL and HP-GL/2 are registered trademarks of Hewlett-Packard Company.	PCL-PJL Technical Reference Manual Documentation Package HP Part No. 5012-0330	Hewlett-Packard Company
4.	04	HPGL	application/vnd.hp-HPGL	Hewlett-Packard Graphics Language. HP-GL is a registered trademark of Hewlett-Packard Company.	The HP-GL/2 and HP RTL Reference Guide Addison-Wesley Publishing Co. ISBN: 0-201-63325-6	Hewlett-Packard Company
5.	05	PJL		Peripheral Job Language. Appears in the data stream between data intended for a page description language		Hewlett-Packard Co.
6.	06	PostScript (tm) Language	application/postscript	Postscript – a trademark of Adobe Systems Incorporated which may be registered in certain jurisdictions.	<mark>MIME Registry has: [RFC2046]</mark>	Adobe Systems
7.	07	IPDS		Intelligent Printer Data Stream. Bi-directional print data stream for documents consisting of data objects (text, image, graphics, bar codes), resources (fonts, overlays) and page, form and finishing instructions. Facilitates system level device control,		IBM Corporation

				document tracking and error recovery throughout the print process.		
8.	08	PPDS		IBM Personal Printer Data Stream. Originally called IBM ASCII, the name was changed to PPDS when the Laser Printer was introduced in 1989		Lexmark International, Inc.
9.	09	Escape/P				Epson Corp.
10.	0A	Epson		<mark>What is this?</mark>		Epson Corp.
11.	0B	DDIF		Digital Document Interchange Format		Digital Equipment Corp. (now Compaq)
12.	0C	Interpress		<mark>Need a Description or title</mark>		Xerox Corp.
13.	0D	ISO 6429		Control functions for Coded Character Sets (has ASCII control characters, plus additional controls for character imaging devices.)	ISO 6429 ontrol functions for Coded Character Sets	ISO
14.	0E	LineData		Lines of data as separate ASCII or EBCDIC records and containing no control functions (no CR, LF, HT, FF, etc.) For use with traditional line printers. May use CR and/or LF to delimit lines, instead of records.	ISO 10175 Document Printing Application (DPA)	ISO
15.	0F	MODCA	<mark>application/vnd.ibm.modcap is this correct?</mark>	Mixed Object Document Content Architecture. Definitions that allow the composition, interchange, and presentation of final form documents as a collection of data objects (text, image, graphics, bar codes), resources (fonts, overlays) and page, form and finishing instructions	<mark>MIME Registry talks about MO:DCA-P. Is this the same as the Printer MIB enum?</mark>	IBM Corporation
16.	10	ReGIS		Remote Graphics Instruction Set		Digital Equipment Corp. (now Compaq)
17.	11	SCS		SNA Character String Bi-directional print data stream for SNA LU-1 mode of		IBM Corporation

				communication		
18.	12	SPDL		ISO 10180 Standard Page Description Language.	ISO 10180 Standard Page Description Language	ISO
19.	13	TEK4014				Tektronix Corp.
20.	14	PDS				Who?
21.	15	IGP				Printronix Corp.
22.	16	CodeV		Magnum Code-V, Image and printer control language used to control impact/dot-matrix printers		QMS, Inc., Mobile AL
23.	17	DSC-DSE		Data Stream Compatible and Emulation Bi-directional print data stream for non-SNA (DSC) and SNA LU-3 3270 controller (DSE) communications		IBM Corporation.
24.	18	WPS		Windows Printing System, Resource based command/data stream used by Microsoft At Work Peripherals		Developed by the Microsoft Corporation
25.	19	LN03		Early DEC-PPL3		Digital Equipment Corp.
26.	1A	CCITT		ISSUE: I think the intent was Group 3 or 4 FAX. How would this entry relate to the TIFF (40)?		
27.	1B	QUIC		QUIC (Quality Information Code), Page Description Language for laser printers. Included graphics, printer control capability and emulation of other well-known printer.		QMS, Inc.
28.	1C	CPAP		Common Printer Access Protocol		Digital Equipment Corp. (now COMPAQ)
29.	1D	DEC-PPL		Digital ANSI-Compliant Printing Protocol		Digital Equipment Corp. (now COMPAQ)
30.	1E	SimpleText	Is the ISO DPA	Character coded data, including NUL,		See ISO 10175

			Annex F of Simple-Text close enough to the IETF text/plain to be able to use 'text/plain' as the MIME media type?	CR , LF, HT, and FF control characters		Document Printing Application (DPA)
31.	1F	NPAP		Network Printer Alliance Protocol. This protocol has been superseded by the IEEE 1284.1.		Network Printer Allicance (NPA)
32.	20	DOC		Document Option Commands, Appears in the data stream between data intended for a page description		QMS, Inc.
33.	21	ImPRESS		Page description language originally developed for the ImageServer product line. A binary language providing representations of text, simple graphics, and some large forms (simple bit-map and CCITT group 3/4 encoded). The language was intended to be sent over an 8-bit channel and supported early document preparation languages (e.g., TeX and TROFF)		QMS, Inc.
34.	22	Pinwriter		24 wire dot matrix printer for USA, Europe, and Asia except Japan. More widely used in Germany, and some Asian countries than in US		NEC Corp.
35.	23	NPDL		Page printer for Japanese market		NEC Corp.
36.	24	NEC201PL		Serial printer language used in the Japanese market		NEC Corp.
37.	25	Automatic	application/octet-stream	Automatic PDL sensing. Automatic sensing of the interpreter language family by the printer examining the document content. Which actual interpreter language families are sensed depends on the printer implementation.	RFC 2911, Internet Printing Protocol/1.1 Model and Semantics But MIME registry already has: [RFC2045,RFC2046]	IETF

38.	26	Pages		Page printer Advanced Graphic Escape Set			IBM Japan
39.	27	LIPS		LBP Image Processing System			
40.	28	TIFF	image/tiff image/tiff;faxbw image/tiff;faxcolor	Tagged Image File Format	MIME Registry has: [RFC2302]		Aldus (now Adobe Systems Incorporated
41.	29	Diagnostic		A hex dump of the input to the interpreter	RFC 1759		IETF
42.	2A	PSPrinter		The PostScript Language used for control (with any PDLs)			Adobe Systems Incorporated
43.	2B	CaPSL		Canon Print Systems Language			Canon
44.	2C	EXCL		Extended Command Language			Talaris Systems Inc.
45.	2D	LCDS		Line Conditioned Data Stream			Xerox Corporation
46.	2E	XES		Xerox Escape Sequences			Xerox Corporation
47.	2F	PCLXL	application/vnd.hp -PCLXL	Printer Control Language eXtended Language features for printing, and printer control	MIME Registry has: Specification by example: Within a Windows application select: Print and select as the printer HP 'LaserJet 5/5M - Enhanced Driver' (this driver is available from www.hp.com). Select: 'Print to File' and then 'Okay'		Hewlett-Packard Co.
48.	30	ART		Advanced Rendering Tools (ART). Page Description language originally developed for the Laser Press printers.	Technical reference manual: "ART IV Reference Manual", No F33M		Fuji Xerox Co., Ltd.
49.	31	TIPSI		Transport Independent Printer System Interface (ref. IEEE Std. 1284.1)	IEEE Std. 1284.1		IEEE
50.	32	Prescribe		Page description and printer control language. It can be described with ordinary ASCII	Technical reference manual: "PRESCRIBE II Programming Manual"		What company?
51.	33	LinePrinter		A simple-text character stream which supports the control codes LF, VT, FF,			

				and plus Centronics or Dataproducts Vertical Format Unit (VFU) language is commonly used on many older model line and matrix printers.		
52.	34	IDP		Imaging Device Protocol		Apple Computer.
53.	35	XJCL		Xerox Job Control Language (JCL). A Job Control language originally developed for the LaserPress printers and is capable of switching PDLs.	Technical reference manual: "ART IV Reference Manual", No F33M	Fuji Xerox Co., Ltd.
54.	36	PDF	application/pdf	Adobe Portable Document Format	Version 1.0: Portable Document Format Reference Manual, Adobe Systems, Inc, Addison-Wesley Publishing Co. ISBN 0-201-62628-4, 1993. Version 1.1: An Adobe Systems, Inc Technical Note	Adobe Systems, Inc.
55.	37	RPDL		Ricoh Page Description Language for printers.	Technical manual "RPDL command reference" No.307029	RICOH, Co. LTD
56.	38	IntermecIPL		Intermec Printer Language for label printers.	Technical Manual: "IPL Programmers Reference Manual"	Intermec Corporation
57.	39	UBIFingerprint		An intelligent basic-like programming language for label printers.	Reference Manual: "UBI Fingerprint 7.1", No. 1-960434-00	United Barcode Industries
58.	3A	UBIDirectProtocol		An intelligent control language for label printers.	Programmers Guide: "UBI Direct Protocol", No. 1-960419-00	United Barcode Industries
59.	3B	Fujitsu		Fujitsu Printer Language	Reference Manual: "FM Printer Sequence" No. 80HP-0770	FUJITSU LIMITED

The following Print Document Formats have been proposed for use in Blue tooth with the following additional enum values assigned. They need to be added to the Printer MIB as well.

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						location, since it changes)
60.	3C	SPCL.		Standard PCL		
61.	3D	VCard				
62.	3E	VCal				
63.	3F	VNote			Infrared Data Association, IrMC (Ir Mobile Communications) Specification with Published Errata, Version 1.1, February 1999	
64.	40	VMessage			Infrared Data Association, IrMC (Ir Mobile Communications) Specification with Published Errata, Version 1.1, February 1999	
65.	41	HTML	text/html	The 'text/html' Media Type	RFC 2854, The 'text/html' Media Type. D. Connolly, L. Masinter. June 2000.	IETF
66.	42	XHTML	application/xhtml+ xml (Internet-Draft only)	The Extensible HyperText Markup Language		W3C
67.	43	XHTML-Basic	no separate MIME registry planned See draft-baker-xhtml-media-reg-00.txt	XHTML Basic		W3C
68.	44	XHTML-Print				