Media Standardized Names
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ftp://ftp.pwg.org/pub/pwg/media-sizes/pwg-media-07.pdf (.doc)

Abstract

This document specifies standard names to be used to indicate media types, media colors, and media sizes in other standards. These lists of names are a superset of the names that are currently presented in the Printer MIB [PRT-MIB] and the IPP Model and Semantics [IPP-MOD] documents. It is intended to supplement the currently defined lists as well as to provide a normative reference for all subsequent standards.

This document is a draft of an IEEE-ISTO PWG Proposed Standard and is in full conformance with all provisions of the PWG Process (see http://www.pwg.org/chair/pwg-process-990825.pdf). PWG Proposed Standards are working documents of the IEEE-ISTO PWG and its working groups. The list of current PWG projects and drafts can be obtained at http://www.pwg.org.

Title: Media Standardized Names

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TABLE OF CONTENTS

TABLE OF TABLES

1. Introduction

Media types, media colors, media sizes, and media finish have been defined in many previously published standards related to printing. Examples are the ISO Document Printing Application [DPA], the IEEE Transport Independent Printer/System Interface [TIP/SI], the IETF Printer MIB [PRT-MIB], and the IETF Internet Printing Protocol [IPP-MOD]. Although there is a high degree of commonality in the set of media types, colors, sizes, and finish presented in these documents, they do not represent a uniform set. Several other standard developments, in process prior to the creation of this standard, also have a need for media type, color, size, and finish definitions. Also there is a large body of existing computer printing system practice based upon PPD and GPD files to describe a Printer's capabilities that include media type, color, size, and finish. Thus this standard is a response to an urgent need to define a complete set of media types, colors, sizes, and finishings, in an independent document, that can be used as a normative reference by other standards.

This standard is the result of extensive research to obtain an exhaustive list. It provides a superset of the media types, colors, sizes, and finishings currently defined in the previously listed specifications. This standard is intended to update the list that is currently presented in the Printer MIB and the IPP Model and Semantics specification and it also can be referenced by future standards. This document will be periodically updated to include any additional types, colors, sizes, and finishings, as required.

1.1 Scope

This document defines media types, media colors, media sizes, and media finish only. Other media attributes such as name, weight, or opacity are not included at this time, though they may be added in the future, if the need arises.

No provisions are included to specify roll paper sizes. All media sizes defined represent a cut sheet. Media that is printed and then cut by the printing device can use this standard only to define the final size.

The color attribute that is included in a portion of the Media Name entries in both the Printer MIB and IPP are included as a separate independent set of Color Names in this specification.

The media size dimensions that are defined in this document are independent of the media feed direction (i.e. short edge feed or long edge feed) or printing orientation (i.e. portrait or landscape). Both of these parameters are best handled by unique attributes rather than overloading the media size attribute.

2 Terminology

This glossary defines certain terms used in this specification which may not be generally familiar or which may be used with very specific meaning. These definitions are not intended to be absolute but do reflect the use of the terms within this specification.

Alias An alternative name that is commonly used to mean the same as a name standardized in this document, but which is not defined for a use that conforms to this standard.

ASCII American Standards Code for Information Exchange as defined in ANSI X3.4-1986, "Coded Character Set - 7-bit American Standard Code for Information Interchange (ASCII)." Defines a character set encoding with printable characters defined in the range 0x21 to 0x7E and the SPACE character (0x20). Other encoded values must not be used.

IETF Internet Engineering Task Force**.** A volunteer group that develops and approves standards that are relative to the Internet.

ISO International Organization for Standardization.

Legacy Name A name used in the same contexts as the names defined in this standard, but which is deprecated from use when conforming to this standard. This name is provided for historical context.

media The consumable upon which the marking engine marks so as to form a text and/or pictorial image, typically paper.

Media Color Name The human readable name used to identify the color of the media. Examples: 'white', 'red', 'ivory'.

Media Dimensions The short and long dimensions of the media.

Media Finish Name The human readable name that identifies the surface texture of the medium. In most cases the texture is obtained by the application of a coating. Examples: 'glossy', 'matte'.

Media Name The human readable name used to identify media that possess the same characteristics and to distinguishes the media from others with different characteristics for the context in which the Media Name is used. Examples: 'iso-a4-white', na-letter-transparency', 'monarch-envelope'. This standard does not define Media Names.

Media Size Name The human readable name that identifies a particular media size. Examples: 'iso-a4', 'na-letter', 'monarch'.

Media Size Self Describing Name (or **Media Size** for short) An ASCII string that contains a Media Size Name and the Media Dimensions that correspond to the Media Size Name. Examples: 'iso-a4**.**2100-2970', 'na-letter**.**8500-11000', 'na-monarch**.**3875-7500'.

Media Type Name The human readable name that identifies a particular medium type, i.e., the predominate characteristic of the media. Examples: 'stationery', 'transparency', 'envelope'.

3 Media Type Names

The standardized Media Type Names are defined in Table 1. The base set of these names is derived from the Printer MIB [PRT-MIB] and 'Media Features for Display, Print, and Fax" [FEATURES] documents. Additional values MAY be registered according to both [TAG-REG] and [IPP-MOD].

The *Ref* column indicates in which document(s) the identical name appears.

1 = The Printer MIB
3 = Media Features for Display, Print, and Fax

Table 1 - Standardized Media Type Names

Keyword	Description	Ref.
stationery	Separately cut sheets of an opaque material	1, 3
transparency	Separately cut sheets of a transparent material	1, 3
envelope	Envelopes that can be used for conventional mailing purposes	1, 3
envelope-plain	Envelopes that are not preprinted and have no windows	1, 3
envelope-window	Envelopes that have windows for addressing purposes	1
continuous	Continuously connected sheets of an opaque material - which edge is connected is not specified	3
continuous-long	Continuously connected sheets of an opaque material connected along the long edge	1
continuous-short	Continuously connected sheets of an opaque material connected along the short edge	1
tab-stock	Media with tabs [either pre-cut or full-cut]	1
pre-cut-tabs	Media with tabs that are cut so that more than one tab is visible extending out beyond the edge of non-tabbed media in an Output-Document.	
full-cut-tabs	Media with a tab that runs the full length of the sheet so that only one tab is visible extending out beyond the edge of non-tabbed media in an Output-Document.	
multi-part-form	Form medium composed of multiple layers not pre-attached to one another; each sheet may be drawn separately from an input source	1
labels	Label stock [For example, a sheet of peel-off labels].	1
multi-layer	Form medium composed of multiple layers which are pre-attached to one another; e.g., for use with impact printers.	1
screen	A refreshable display	3
screen-paged	A refreshable display which cannot scroll	3
photographic	Separately cut sheets of an opaque material to produce photographic quality images	
cardstock	Separately cut sheets of a heavier or stiffer opaque material than stationery	
roll	A continuous roll of media with no predefined page separation points.	

3.1 Custom Media Type Names

Media Type Names may be locally extended using a Custom Media Type Name, without an update to this specification. The format is defined by the following ABNF:

```
custom-media-type-name = "custom-media-type-" type-name

type-name = lowalpha *( lowalpha | digit | "-" )

lowalpha = "a" | "b" | "c" | "d" | "e" | "f" | "g" | "h" | "i" |
           "j" | "k" | "l" | "m" | "n" | "o" | "p" | "q" | "r" |
           "s" | "t" | "u" | "v" | "w" | "x" | "y" | "z"

digit    = "0" | "1" | "2" | "3" | "4" | "5" | "6" | "7" | "8" | "9"
```

Example, preprinted stationery for company XYZ: **`custom-media-type-xyz-letterhead`**

4 Media Color Names

Table 2 defines the standardized Media Color Names. These names are derived primarily from the Printer MIB [PRT-MIB], prtInputMediaColor standard values. One major difference from the Printer MIB, the name 'transparent' has been replaced by 'no-color'. This allows use of a color attribute with the media type ‘transparency’ as defined in Table 1.

The *Ref* column contains the value 1 for those entries that are from the Printer MIB.

Table 2 - Media Color Names

Color Name	Ref.	Description
no-color		The specified media should have no color. (example, a clear transparency media type)
white	1	The specified media should be white.
pink	1	The specified media should be pink.
yellow	1	The specified media should be yellow.
blue		The specified media should be blue.
green	1	The specified media should be green.
buff	1	The specified media should be buff.
goldenrod	1	The specified media should be goldenrod.
red		The specified media should be red.
gray		The specified media should be gray.
ivory		The specified media should be ivory.
orange		The specified media should be orange.

4.1 Custom Media Color Names

Media Color Names may be locally extended using a Custom Media Color Name, without an update to this specification. The format is defined by the following ABNF:

```
custom-media-color-name = "custom-media-color-" color-name

color-name = lowalpha *( lowalpha | digit | "-" )

lowalpha = "a" | "b" | "c" | "d" | "e" | "f" | "g" | "h" | "i" |
           "j" | "k" | "l" | "m" | "n" | "o" | "p" | "q" | "r" |
           "s" | "t" | "u" | "v" | "w" | "x" | "y" | "z"

digit    = "0" | "1" | "2" | "3" | "4" | "5" | "6" | "7" | "8" | "9"
```

Example, a media of the color mauve: **`custom-media-color-mauve`**

5 Media Size Self Describing Names

The media size specifications defined in this document, labeled as Media Size Self Describing Names, are cross indexed to Legacy Names and Alias (common) names. The Legacy Names define the names currently used in the ISO DPA, Printer MIB, or IPP documents. A reference column is included in the tables to indicate which of these three documents contain the Legacy Name.

Ref column entry definitions:

1 = Printer MIB and ISO DPA. (Both documents contain an identical set.)
2 = IPP

5.1 Media Size Self Describing Name Format

This specification defines a new Media Size Self Describing Name format that is recommended to be used by all new implementations. This new format has the Media Size Name and the Media Dimensions embedded within the string and allows a device to operate without a Media Size Name to Media Dimensions table. The Media Size Self Describing Name format is structured as follows using ABNF:

```
media-size-self-describing-name = [prefix] size-name "." short-dim "-" long-dim
prefix = "na-"
size-name = lowalpha *( lowalpha | digit | "-" )
short-dim = *digit
long-dim = *digit
lowalpha = "a" | "b" | "c" | "d" | "e" | "f" | "g" | "h" | "i" |
           "j" | "k" | "l" | "m" | "n" | "o" | "p" | "q" | "r" |
           "s" | "t" | "u" | "v" | "w" | "x" | "y" | "z"
digit    = "0" | "1" | "2" | "3" | "4" | "5" | "6" | "7" | "8" | "9"
```

5.1.1 ***prefix*** This string parameter is present to indicate the size dimensions are in English units. The value of the prefix string is "**na-**". The prefix string must not be present if the size dimensions are in metric units.

5.1.2 ***size-name*** This string provides a textual description of the media size. It is normally derived from the Legacy or Alias name associated with the media size. The size-name can consist of multiple words, with each word separated by a hyphen (0x2D).

5.1.3 ***short-dim*** and ***long-dim*** These values define the media size. The ***short-dim*** is always the smaller of the two dimensions.

For size dimensions measured in English units, the unit of measure is inches/1000 (.001 inches).

For size dimensions measured in Metric units, the unit of measure is millimeters/10 (.1 mm).

5.1.4 General

The Media Size Self Describing Name shall not contain any space characters (0x20).

Wherever possible, the Media Size Self Describing Name has been derived from the Legacy Name. In many cases the 'prefix-size-name' portion is identical to the Legacy Name. In the remaining cases, the 'prefix' portion must be ignored to match the Legacy Name.

5.1.5 Examples:

The letter size (8.5 inches by 11 inches) used in North America: **na-letter.8500-11000**

The iso A4 size (210 mm by 297 mm) used in metric countries: **iso-a4.2100-2970**

5.2 Custom Media Size Self Describing Name Format

The Custom Media Size Self Describing Name format allows extensibility of the media size set without an update to this specification. This feature is primarily intended for special media sizes that are used at a minimum number of locations. The Media Size Self Describing Name format for custom sizes is structured similar to the format for the standardized sizes.

```
custom-media-size-self-describing-name =
      [prefix] "custom" [ "-" size-name ] "." short-dim "-" long-dim
```

5.2.1 ***prefix*** This string parameter must conform to all the requirements of section 5.1.1.

5.2.2 ***size-name*** This string is optional and, if used, provides a textual description of the media size. The ***size-name*** must conform to all the requirements of section 5.1.2.

5.2.3 ***short-dim*** and ***long-dim*** These values must conform to all requirements of section 5.1.3.

5.2.4 Example: A custom form measuring 6 inches by 14 inches known as "long and narrow".

na-custom-long-and-narrow.6000-14000 or **na-custom.6000-14000**

5.2.5 The ***size-name*** "max" shall be reserved to indicate an upper size limit of either a device or application. Also, the ***size-name*** "min" shall be reserved to indicate a lower size limit. Example: For a device that can process forms as small as 2 x 3 inches to 18 x 36 inches:

na-custom-max.18000-36000 and **na-custom-min.2000-3000**

5.3 Conventions for the Tables

The rest of this section contains the tables of Media Size Self Describing Names. Within a table entries from different sources are grouped together. The entries in these groups are arranged in order of increasing size of the smaller dimension.

The presence of “(envelope)” in the Alias column indicates this size is also commonly used for envelopes. It does not imply that this size is only available as an envelope media type.

262 **Table 3 - North American Standard Sheet Media Sizes**

Legacy Name	Ref.	Alias (common name)	Self Describing Name (inches / 1000)
		index-3x5	na-index-3x5.3000-5000
		personal (envelope)	na-personal.3625-6500
monarch-envelope	2		na-monarch.3875-7500
na-number-9-envelope	1, 2		na-num-9.3875-8875
		index-4x6	na-index-4x6.4000-6000
na-number-10-envelope	1, 2		na-num-10.4125-9500
		a2 (envelope)	na-a2.4375-5750
		number-11 (envelope)	na-num-11.4500-10375
		number-12 (envelope)	na-num-12.4750-11000
		index-5x8	na-index-5x8.5000-8000
		5x7	na-5x7.5000-7000
		number-14 (envelope)	na-num-14.5000-11500
invoice	2	statement, mini	na-invoice.5500-8500
		index-4x6-ext	na-index-4x6-ext .6000-8000
na-6x9-envelope	1, 2	6x9-envelope	na-6x9.6000-9000
		c5-envelope	na-c5.6500-9500
na-7x9-envelope	1, 2	7x9 (envelope)	na-7x9.7000-9000
executive	2		na-executive.7250-10500
		roc-16k	na-roc-16k.7750-10750
na-8x10	2	government-letter	na-govt-letter.8000-10000
		government-legal	na-govt-legal.8000-13000
quarto	2		na-quarto.8500-10830
na-letter	1, 2	letter, a, engineering-a	na-letter.8500-11000
		fanfold-European	na-fanfold-eur.8500-12000
		letter-plus	na-letter-plus.8500-12690
		foolscap	na-foolscap.8500-13000
na-legal	1, 2	legal	na-legal.8500-14000
		super-a	na-super-a.8940-14000
na-9x11-envelope	1, 2	9x11, letter-tab (envelope)	na-9x11.9000-11000
arch-a	2	architecture-a (envelope)	na-arch-a.9000-12000
		letter-extra	na-letter-extra.9500-12000
		legal-extra	na-legal-extra.9500-15000
		10x11	na-10x11.10000-11000
na-10x13-envelope	1, 2	10x13 (envelope)	na-10x13.10000-13000
na-10x14-envelope	1, 2	10x14 (envelope)	na-10x14.10000-14000
na-10x15-envelope	1, 2	10x15 (envelope)	na-10x15.10000-15000
		roc-8k	na-roc-8k.10750-15500
		11x12	na-11x12.11000-12000
		11x15	na-11x15.11000-15000
		edp	na-edp.11000-14000
		fanfold-us	na-fanfold-us.11000-14875
ledger	2	b, engineering-b	na-ledger.11000-17000
		b-plus	na-b-plus.12000-19170
		european-edp	na-eur-edp.12000-14000
arch-b	2	architecture-b, tabloid-extra	na-arch-b.12000-18000
		super-b	na-super-b.13000-19000

263

264 **Table 3 - North American Standard Sheet Media Sizes (continued)**

Legacy Name	Ref.	Alias (common name)	Self Describing Name (inches / 1000)
c	2	engineering-c	na-c.17000-22000
arch-c	2	architecture-c	na-arch-c.18000-24000
d	2	engineering-d	na-d.22000-34000
arch-d	2	architecture-d	na-arch-d.24000-36000
		e1	na-e1.28000-40000
		wide-format	na-wide-format.30000-42000
e	2	engineering-e	na-e.34000-44000
arch-e	2	architecture-e	na-arch-e.36000-48000
		f, engineering-f	na-f.44000-68000

265
266

267 **Table 4 - ISO Standard Sheet Media Sizes**

Legacy Name	Ref.	Alias (common name)	Self Describing Name (mm / 10)
iso-a10	1, 2	a10	iso-a10.260-370
iso-a9	1, 2	a9	iso-a9.370-520
iso-a8	1, 2	a8	iso-a8.520-740
iso-a7	1, 2	a7	iso-a7.740-1050
iso-a6	1, 2	a6	iso-a6.1050-1480
iso-a5	1, 2	a5	iso-a5.1480-2100
		a5-extra	iso-a5-extra.1740-2350
iso-a4	1, 2	a4	iso-a4.2100-2970
		a4-tab	iso-a4-tab.2250-2970
		a4-extra	iso-a4-extra.2355-3223
iso-a3	1, 2	a3	iso-a3.2970-4200
iso-a3-extra			iso-a3-extra.3220-4450
iso-a2	1, 2	a2	iso-a2.4200-5940
iso-a1	1, 2	a1	iso-a1.5940-8410
iso-a0	1, 2		iso-a0.8410-11890
		2a0	iso-2a0.11890-16820
		4a0	iso-4a0.16820-23780
iso-b10	1, 2	b10	iso-b10.310-440
iso-b9	1, 2	b9	iso-b9.440-620
iso-b8	1, 2	b8	iso-b8.620-880
iso-b7	1, 2	b7	iso-b7.880-1250
iso-b6	1, 2	b6 (envelope)	iso-b6.1250-1760
		b6/c4 (envelope)	iso-b6c4.1250-3240
iso-b5	1, 2	b5 (envelope)	iso-b5.1760-2500
		b5-extra	iso-b5-extra.2010-2760
iso-b4	1, 2	b4 (envelope)	iso-b4.2500-3530
iso-b3	1, 2	b3	iso-b3.3530-5000
iso-b2	1, 2	b2	iso-b2.5000-7070
iso-b1	1, 2	b1	iso-b1.7070-10000
iso-b0	1, 2	b0	iso-b0.10000-14140

268

269 **Table 4 - ISO Standard Sheet Media Sizes (continued)**

		c10 (envelope)	iso-c10.280-400
		c9 (envelope)	iso-c9.400-570
iso-c8	1	c8 (envelope)	iso-c8.570-810
iso-c7	1	c7 (envelope)	iso-c7.810-1140
		c7/c6 (envelope)	iso-c7c6.810-1620
iso-c6	1, 2	c6 (envelope)	iso-c6.1140-1620
		c6/c5 (envelope)	iso-c6c5.1140-2290
iso-c5	1, 2	c5 (envelope)	iso-c5.1620-2290
iso-c4	1, 2	c4 (envelope)	iso-c4.2290-3240
iso-c3	1, 2	c3 (envelope)	iso-c3.3240-4580
iso-c2	1	c2 (envelope)	iso-c2.4580-6480
iso-c1	1	c1 (envelope)	iso-c1.6480-9170
iso-c0	1	c0 (envelope)	iso-c0.9170-12970
iso-designated	1, 2	designated-long, dl (envelope)	iso-dl.1100-2200
iso-ra2			iso-ra2.4300-6100
iso-sra2			iso-sra2.4500-6400
iso-ra1			iso-ra1.6100-8600
iso-sra1			iso-sra1.6400-9000
iso-ra0			iso-ra0.8600-12200
iso-sra0			iso-sra0.9000-12800

270
271
272

273 **Table 5 - Japanese Standard Sheet Media Sizes**

Legacy Name	Ref.	Alias (common name)	Self Describing Name (mm / 10)
jis-b10	1, 2		jis-b10.320-450
jis-b9	1, 2		jis-b9.450-640
jis-b8	1, 2		jis-b8.640-910
jis-b7	1, 2		jis-b7.910-1280
jis-b6	1, 2		jis-b6.1280-1820
jis-b5	1, 2		jis-b5.1820-2570
jis-b4	1, 2		jis-b4.2570-3640
jis-b3	1, 2		jis-b3.3640-5150
jis-b2	1, 2		jis-b2.5150-7280
jis-b1	1, 2		jis-b1.7280-10300
jis-b0	1, 2		jis-b0.10300-14560
		exec	jis-exec.2160-3300
		chou4 (envelope)	jpn-chou4.900-2050
		hagaki (postcard)	jpn-hagaki.1000-1480
		you4 (envelope)	jpn-you4.1050-2350
		chou2 (envelope)	jpn-chou2.1111-1460
		chou3 (envelope)	jpn-chou3.1200-2350
		oufuku (postcard)	jpn-oufuku.1480-2000
		Kahu (envelope)	jpn-kahu.2400-3221
		kaku2 (envelope)	jpn-kaku2.2400-3320

Table 6 - Chinese Standard Sheet Media Sizes

Legacy Name	Ref.	Alias (common name)	Self Describing Name (mm / 10)
		prc-32k	prc-32k.970-1510
		prc1 (envelope)	prc1.1020-1650
		prc2 (envelope)	prc2.1020-1760
		prc4 (envelope)	prc4.1100-2080
		prc5 (envelope)	prc5.1100-2200
		prc8 (envelope)	prc8.1200-3090
		prc6 (envelope)	prc6.1200-3200
		prc3 (envelope)	prc3.1250-1760
		prc-16k	prc-16k.1460-2150
		prc7 (envelope)	prc7.1600-2300
		juuro-ku-kai	juuro-ku-kai.1980-2750
		prc9 (envelope)	prc9.2290-3240
		pa-kai	pa-kai.2670-3890
		dai-pa-kai	dai-pa-kai.2750-3950
		prc10 (envelope)	prc10.3240-4580

Table 7 - Other Metric Standard Sheet Media Sizes

Legacy Name	Ref.	Alias (common name)	Self Describing Name (mm / 10)
		Italian (envelope)	italian.1000-2300
		Postfix (envelope)	postfix.1140-2290
folio	2		folio.2100-3300
		folio-sp	folio-sp.2150-3150
		Invite (envelope)	invite.2200-2200

6 Media Finish Names

The standardized Media Finish Names are defined in Table 8. The base set of these names is derived from the "IPP Production Printing Attributes – Set 1" [PROD] document. Additional values MAY be registered according to both [TAG-REG] and [IPP-MOD].

The *Ref* column contains the value 4 for those entries that are from the Printer "IPP Production Printing Attributes" document.

Table 8 - Media Finish Names

Finish Name	Ref.	Description
none	4	Indicates that the media does not have any coating.
glossy	4	Indicates that the media has a "glossy" coating.
high-gloss	4	Indicates that the media has a "high-gloss" coating.
semi-gloss	4	Indicates that the media has a "semi-gloss" coating.
satin	4	Indicates that the media has a "satin" coating.
matte	4	Indicates that the media has a "matte" coating.

6.1 Custom Media Finish Names

Media Finish Names may be locally extended using a Custom Media Finish Name, without an update to this specification. The format is defined by the following ABNF:

```
custom-media-finish-name = "custom-media-finish- " finish-name

finish-name = lowalpha *( lowalpha | digit | "-" )

lowalpha = "a" | "b" | "c" | "d" | "e" | "f" | "g" | "h" | "i" |
           "j" | "k" | "l" | "m" | "n" | "o" | "p" | "q" | "r" |
           "s" | "t" | "u" | "v" | "w" | "x" | "y" | "z"

digit    = "0" | "1" | "2" | "3" | "4" | "5" | "6" | "7" | "8" | "9"
```

Example, a media coating that is non-reflective: **`custom-media-finish-non-reflective`**

7 Conformance Requirements

The Media Type Names, Media Color Names, Self Describing Media Size Names, and Media Finish Names defined in this document are recommended for any future specifications that have a need for media type, media color, media size definitions, or media finish, respectively. The proper procedure for including these names is to simply reference this specification as the definition and source of the media types, colors, sizes, or finishings with the clause "or subsequent revisions". In this manner, any updates to this document are automatically included in the referencing specification.

Media Names defined in this specification are presented using lower case characters. Other referencing standards may impose case sensitive rules if necessary. For interoperability and implementation efficiency, this standard strongly recommends these names be used in the lower case form defined in this document.

8 Internationalization Considerations

All standardized textual strings must be represented as US-ASCII character codes and local translations must never be performed. Custom sizes, if limited to local use, may be represented using any desired character set.

9 Security Considerations

This specification will have no impact on the security burden of or potential threats to the importing system.

10 References

[DPA]
ISO/IEC 10175, Document Printing Application, June 1996.

[FEATURES]
Masinter, L., et al, “Media Features for Display, Print, and Fax”, RFC 2534, March 1999.

[IPP-MOD]
Hastings, T., Herriot, R., deBry, R., Isaacson, S., and P. Powell, “Internet Printing Protocol/1.1: Model and Semantics”, RFC 2911, September 2000.

[IPP-PROD]
IEEE-ISTO Std. 5100.3-2001, IPP Production Printing Attributes – Set 1, February 2001. Available at: ftp://ftp.pwg.org/pub/pwg/standards/pwg5100.3.pdf, .doc, .rtf

[PRT-MIB]
Smith, R., Wright, F., Hastings, T., Zilles, S., Gyllenskog, J., “Printer MIB”, RFC 1759, March 1995.

[TAG-REG]
Holtman, K., Mutz, A. and T. Hardie, "Feature Tag Registration Procedures", BCP 31, RFC 2506, March 1999.

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IEEE Std 1284.1-1997, IEEE Standard for Information Technology, Transport Independent Printer/System Interface.

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IPP Mailing List: ipp@pwg.org

To subscribe to the ipp mailing list, send the following email:
1) send it to majordomo@pwg.org
2) leave the subject line blank
3) put the following two lines in the message body:
subscribe ipp
end

Implementers of this specification are encouraged to join the IPP Mailing List in order to participate in any discussions of clarifications or review of registration proposals for additional names. Requests for additional names, for inclusion in this specification, should be sent to the IPP Mailing list for consideration.

12 Appendix A: Media Names Usage in Existing Standards (informative)

This appendix provides a cross reference between the usage of media names in existing standards and the appropriate group in this document. Future revisions of these standards should reference this document as the source of this information. No attempt will be made to update this appendix when additional standards reference this document; the existing references will suffice.

The Printer MIB [PRT-MIB]

Standard Media Name	Printer MIB usage
Media Type Name	prtInputMediaType
Media Color Name	prtInputMediaColor
Media Size Name	Appendix B “Media Sizes Names” (see note 1)

The Internet Printing Protocol, Model and Semantics [IPP-MOD]

Standard Media Name	IPP Model Usage
Media Type Name	“media” Job Template attribute, including the “media-default”, “media-ready”, and “media-supported” Printer attributes

The Internet Printing Protocol, Production Printing Attributes [IPP-PROD]

Standard Media Name	IPP Production Printing Usage (see notes 2 and 3)
Media Type Name	“media-type”
Media Color Name	“media-color”
Media Finish Name	“media-front-coating” and “media-back-coating”

Notes:

1. Printer MIB size names do not include the dimensions part. The dimension are represented by the objects prtInputMediaDimFeedDirDeclared, prtInputMediaDimXFeedDirDeclared, prtInputMediaDimFeedDirChosen, and prtInputMediaDimXFeedDirChosen.
2. The Production Printing Attributes referenced are all member attributes of the "media-col" Job Template attribute.
3. The media sizes are included in the “media-size” member attribute of the “media-col” Job Template attribute as a pair of numeric values (mm/100).

13 Appendix B: Description of the IEEE Industry Standards and Technology (ISTO)

The IEEE-ISTO is a not-for-profit corporation offering industry groups an innovative and flexible operational forum and support services. The IEEE-ISTO provides a forum not only to develop standards, but also to facilitate activities that support the implementation and acceptance of standards in the marketplace. The organization is affiliated with the IEEE (http://www.ieee.org/) and the IEEE Standards Association (http://standards.ieee.org/).
For additional information regarding the IEEE-ISTO and its industry programs visit:
http://www.ieee-isto.org.

14 Appendix C: Description of the IEEE-ISTO PWG

The Printer Working Group (or PWG) is a Program of the IEEE Industry Standards and Technology Organization (ISTO) with member organizations including printer manufacturers, print server developers, operating system providers, network operating systems providers, network connectivity vendors, and print management application developers. The group is chartered to make printers and the applications and operating systems supporting them work together better. All references to the PWG in this document implicitly mean “The Printer Working Group, a Program of the IEEE ISTO.” In order to meet this objective, the PWG will document the results of their work as open standards that define print related protocols, interfaces, procedures and conventions. Printer manufacturers and vendors of printer related software will benefit from the interoperability provided by voluntary conformance to these standards.
In general, a PWG standard is a specification that is stable, well understood, and is technically competent, has multiple, independent and interoperable implementations with substantial operational experience, and enjoys significant public support.
For additional information regarding the Printer Working Group visit:
http://www.pwg.org

15 Appendix D: Change History

15.1 Changes to D.06, April 9, 2001, to make D.07, April 20, 2001

The following changes were made:

1. Added to definition of Legacy Name: "This name is provided for historical context."
2. Removed single quotes from color names in table 2.
3. Added an example to paragraphs 3.1, 4.1 and 6.1.
4. Removed "The prefix string shall be included in all Media Size Self Describing Names that contain size dimensions that are to be interpreted as English units." This sentence was redundant.
5. Corrected "iso-a5-extra" name in Table 4. The "-extra" part was missing.
6. Removed single quotes from finish names and "MUST" from the definitions in table 8.
7. Changed "custom-finish-type-" to "custom-media-finish-" in section 6.1.
8. Inserted a new Appendix A "Media Names Usage in Existing Standards (informative)".
9. Changed all RFC references to names that are independent of the numbers.
10. Added a URL to the IPP-PROD reference.

15.2 Changes to D.05, March 26, 2001, to make D.06, April 9, 2001

The following changes were made:

1. Added "Media Finish Name" definition to section 1, 1.1, 2, and 7.
2. Removed "other" from Table 1. The custom media type name is to be used instead.
3. Added "roll" to Table 1.
4. Changed "[REG]" to "[RFC2506]" in section 3 and added the reference information to section 10.
5. Corrected the ABNF for "size-name" in section 5.1 (removed second "| "-" ").
6. Removed text regarding case sensitivity from section 5.1.4. New text on this subject added to section 7.
7. Corrected second example in section 5.1.5 ("2970" was "29700").
8. Added 5.2.5 to define "custom-max" and "custom-min".
9. Added section 6, Media Finish Names.
10. Added [PROD] reference to section 10.
11. Added IPP contact information to section 10, plus a sentence explaining how to request new names to be added to the document.

15.3 Changes to D.04, March 21, 2001, to make D.05, March 26, 2001

The following changes were made:

1. Title in Abstract corrected. Was “Media Size Standardized Names.”
2. Section 1 “…practice based upon PPD and GPD files to describe…” was “…practice around PPD and GPD files that describe…”
3. In definition for Media Size Self Describing Name: “…Media Dimensions that correspond to the Media Size Name.” was “…Media Dimensions of that correspond to its Media Size Name.”

4. Replaced “Printer MIB” and “RFC 2534” columns in Table 1 with “Ref.” Column, to be more consistent with the size tables. Modified the text accordingly.
5. Added section 3.1 Custom Media Type Names.
6. Added a “Ref.” Column to Table 2 and removed the text that attempted to provide this same information.
7. Added section 4.1 Custom Media Color Names.
8. Combined paragraphs 5.1.5 and 5.1.6.
9. Added to paragraph 5.3: “The presence of “(envelope)” in the Alias column indicates this size is also commonly used for envelopes. It does not imply that this size is only available as an envelope media type.”
10. Merged envelope sizes into the corresponding sheet sizes tables. The string “envelope” has been removed from all envelope size names.
11. Added “government-legal” to Table 3.
12. Added “juuro-ku-kai”, “pa-kai”, and “dai-pa_kai” to Table 6.
13. Removed “IANA Considerations” section.

15.4 Changes to D.03, February 22, 2001, to make D.04, March 21, 2001

The following changes were made:

1. Added more Terminology
2. Added Media Type Names
3. Added Media Color Names
4. Used ABNF to define the syntax for Media Size Self Describing Names