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2  
3 Media ~~Size~~ Standardized Names  
4 Draft D0.~~43~~  
5 ~~February 22~~ March 21, 2001

6 [ftp://ftp.pwg.org/pub/pwg/general/pwg-media-~~size-043~~.pdf](ftp://ftp.pwg.org/pub/pwg/general/pwg-media-size-043.pdf)  
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8  
9

10 Abstract

11 This document specifies standard names to be used to indicate **media types, media colors, and** media  
12 sizes in other **PWG** standards. **These** ~~is~~ lists of names ~~is~~ **are** a superset of the names that are currently  
13 presented in the Printer MIB [RFC1759] and the IPP Model and Semantics [RFC2911] documents. It  
14 is intended to supplement the currently defined lists as well as to provide a normative reference for all  
15 subsequent standards.

16 This document is a draft of an IEEE-ISTO PWG Proposed Standard and is in full conformance with all  
17 provisions of the PWG Process (see <http://www.pwg.org/chair/pwg-process-990825.pdf>[DW1]). PWG  
18 Proposed Standards are working documents of the IEEE-ISTO PWG and its working groups. The list  
19 of current PWG projects and drafts can be obtained at <http://www.pwg.org>

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29 Title: Media Size Standardized Names

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89

## 90 1. Introduction

91 Media types, media colors, and media sizes have been defined in many previously published standards  
92 related to printing. Examples are the ISO Document Printing Application [DPA], the IEEE Transport  
93 Independent Printer/System Interface [TIP/SI], the IETF Printer MIB [RFC1759], and the IETF  
94 Internet Printing Protocol [IPP]. Although there is a high degree of commonality in the set of media  
95 types, colors, and sizes presented in these documents, they do not represent a uniform set. Several  
96 other standards developments, in process prior to the creation of this standard, also have a need for  
97 media type, color, and size definitions. Also there is a large body of existing computer printing system  
98 practice around PPD and GPD files that describe a Printer's capabilities that include media type, color,  
99 and size. Thus this standard is a response to an urgent need to define a complete set of media types,  
100 colors, and sizes, in an independent document, that can be used a normative reference by other  
101 standards.

102 This standard is the result of extensive research to obtain an exhaustive list. It provides a superset of  
103 the media types, sizes, and colors currently defined in the previously listed specifications. This  
104 standard is intended to update the list that is currently presented in the Printer MIB and the IPP Model  
105 and Semantics specification and it also can be referenced by future printing standards. This document  
106 will be periodically updated to include any additional types, sizes, and colors, as required.  
107

### 108 1.1 Scope

109 This document defines media types, media colors, and media sizes only. Other media attributes such  
110 as name, color, type, or weight, opacity, or coating are not included at this time, though they may be  
111 added in the future, if the need arises. ~~One exception is the inclusion of the media type of "envelope."~~  
112 ~~Since many envelope sizes are unique and envelopes have very special physical characteristics which~~  
113 ~~requires special handling and printing formats, this attribute is included with the size.~~

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

116 The color attribute that is included in a portion of the mMedia Name entries in both the Printer MIB  
117 and IPP are ~~not included in this document~~ included as a separate independent set of Color Names. ~~The~~  
118 ~~addition of color to the media names would result in a large growth in the number of names and this is~~  
119 ~~more optimally handled using an independent attribute.~~  
120

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

## 125 2 Terminology

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

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

131 **ASCII** American Standards Code for Information Exchange as defined in ANSI X3.4-1986, "Coded  
132 Character Set - 7-bit American Standard Code for Information Interchange (ASCII). A character set  
133 encoding with printable characters defined in the range 0x21 to 0x7E and the SPACE character (0x20).  
134 Other encoded values MUST NOT be used. ~~Normally refers to a US character set, but variants are~~  
135 ~~defined for many national languages. Equivalent to ISO 8859-1 character set encoding.~~

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

138 **ISO** International Organization for Standardization.

139 **Legacy Name** A name used in the same contexts as the names defined in this standard, but which is  
140 deprecated from use when conforming to this standard.

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

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

145 **Media Dimensions** The short and long dimensions of the media.

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

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

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

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

### 157 3 Media Type Names

158 Table 1 defines the standardized Media Type Names.

159

160 The values and descriptions indicated with 'yes' are taken verbatim from the Printer MIB [RFC1759]  
 161 and "Media Features for Display, Print, and Fax" [RFC2534] documents. Bracketed text indicates  
 162 additions to these Descriptions taken from other standards. Additional values MAY be registered  
 163 according to both [REG] and [RFC2911].

164

165

**Table 1 - Standardized Media Type Names**

| <u>Keyword</u>          | <u>Description</u>  | <u>Printer MIB</u> | <u>RFC 2534</u> |
|-------------------------|---|--------------------|-----------------|
| <u>stationery</u>       | <u>Separately cut sheets of an opaque material</u>  | <u>yes</u>         | <u>yes</u>      |
| <u>transparency</u>     | <u>Separately cut sheets of a transparent material</u>  | <u>yes</u>         | <u>yes</u>      |
| <u>envelope</u>         | <u>Envelopes that can be used for conventional mailing purposes</u>   | <u>yes</u>         | <u>yes</u>      |
| <u>envelope-plain</u>   | <u>Envelopes that are not preprinted and have no windows</u>  | <u>yes</u>         | <u>yes</u>      |
| <u>envelope-window</u>  | <u>Envelopes that have windows for addressing purposes</u>  | <u>yes</u>         | <u>no</u>       |
| <u>continuous</u>       | <u>Continuously connected sheets of an opaque material - which edge is connected is not specified</u>   | <u>no</u>          | <u>yes</u>      |
| <u>continuous-long</u>  | <u>Continuously connected sheets of an opaque material connected along the long edge</u>  | <u>yes</u>         | <u>no</u>       |
| <u>continuous-short</u> | <u>Continuously connected sheets of an opaque material connected along the short edge</u>   | <u>yes</u>         | <u>no</u>       |
| <u>tab-stock</u>        | <u>Media with tabs [either pre-cut or full-cut]</u>   | <u>yes</u>         | <u>no</u>       |
| <u>pre-cut-tabs</u>     | <u>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.</u>                       | <u>no</u>          | <u>no</u>       |
| <u>full-cut-tabs</u>    | <u>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.</u> | <u>no</u>          | <u>no</u>       |
| <u>multi-part-form</u>  | <u>Form medium composed of multiple layers not pre-attached to one another; each sheet may be drawn separately from an input source</u>                                 | <u>yes</u>         | <u>no</u>       |
| <u>labels</u>           | <u>Label stock [For example, a sheet of peel-off labels].</u>   | <u>yes</u>         | <u>no</u>       |
| <u>multi-layer</u>      | <u>Form medium composed of multiple layers which are pre-attached to one another; e.g., for use with impact printers.</u>   | <u>yes</u>         | <u>no</u>       |
| <u>screen</u>           | <u>A refreshable display</u>  | <u>no</u>          | <u>yes</u>      |
| <u>screen-paged</u>     | <u>A refreshable display which cannot scroll</u>  | <u>no</u>          | <u>yes</u>      |
| <u>photographic</u>     | <u>Separately cut sheets of an opaque material to produce photographic quality images</u>   | <u>no</u>          | <u>no</u>       |
| <u>cardstock</u>        | <u>Separately cut sheets of a heavier or stiffer opaque material than stationery</u>  | <u>no</u>          | <u>no</u>       |
| <u>other</u>            | <u>The 'other' value is used when the media instance does not</u>   | <u>no</u>          | <u>no</u>       |

|  |   |  |  |
|--|---|--|--|
|  | <u>correspond to any of the other Media Type Names.</u> |  |  |
|--|---|--|--|

166

167 **4 Media Color Names**

168 Table 2 defines the standardized Media Color Names.

169

**Table 2 - Media Color Names**

|                    |  |
|--------------------|--|
| <u>'no-color'</u>  | <u>The specified media should have no color.</u> |
| <u>'white'</u>     | <u>The specified media should be white.</u>      |
| <u>'pink'</u>      | <u>The specified media should be pink.</u>       |
| <u>'yellow'</u>    | <u>The specified media should be yellow.</u>     |
| <u>'blue'</u>      | <u>The specified media should be blue.</u>       |
| <u>'green'</u>     | <u>The specified media should be green.</u>      |
| <u>'buff'</u>      | <u>The specified media should be buff.</u>       |
| <u>'goldenrod'</u> | <u>The specified media should be goldenrod.</u>  |
| <u>'red'</u>       | <u>The specified media should be red.</u>        |
| <u>'gray'</u>      | <u>The specified media should be gray.</u>       |
| <u>'ivory'</u>     | <u>The specified media should be ivory.</u>      |
| <u>'orange'</u>    | <u>The specified media should be orange.</u>     |

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Note: These names are derived primarily from the Printer MIB [RFC1759] prtInputMediaColor standard values with the addition of 'blue', 'red', 'gray', 'ivory', 'orange', and 'no-color' (instead of 'transparent' - see 'transparency' Media Type Name in Table 1.

175 **5 Media Size Self Describing Names Specifications**

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

180 *Ref* column entry definitions:

181 1 = Printer MIB and ISO DPA. (Both documents contain an identical set.)

182 2 = IPP

183

184 **5.1 Media Size Self Describing Name Format**

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



~~*prefix-mediaName.widthDim-lengthDim*~~~~*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"*~~

**35.1.1 *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 shall be included in all Media Size Self Describing Names that contain size dimensions that are to be interpreted as English units. The prefix string must not be present if the size dimensions are in metric units.

~~The prefix string shall be separated from the mediaName by a hyphen (0x2D).~~

**35.1.2 *mediaName-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 *mediaName-size-name* can consist of multiple words, with each word separated by a hyphen (0x2D).

~~The mediaName shall contain only US-ASCII characters using the codes 0x21 through 0x2D and 0x2F through 0x7E. A period (0x2E) must not be present in the mediaName.~~

~~The mediaName shall be separated from the widthDim by a period (0x2E).~~

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

~~The widthDim is separated from the lengthDim by a hyphen (0x2D).~~

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).

~~No decimal values (i.e. periods) shall be present within a media size dimension.~~

#### **35.1.4 General**

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

While Media Size Self Describing Names are ~~not case sensitive but will always be~~ presented in this standard using lower case characters, other standards that use these names, MUST indicate the case sensitivity for their conformance. Such other standards MAY:

- 229 a) also require only lower case as in this standard
- 230 b) allow lower, upper case, and mixed case to be used with the same meaning as the names in  
 231 this standard, i.e., case insensitive matching
- 232 c) require all uppercase letters to be used with the same meaning as the corresponding names  
 233 in this standard.

234 ~~Symbol characters (0x21 through 0x2F, 0x3A through 0x3F, 0x5B through 0x5F, and 0x7B through~~  
 235 ~~0x7E) are not prohibited, with the exception of the period (0x2E), but are not encouraged.~~

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

239 **5.1.5 Example:** The letter size (8.5 inches by 11 inches) used in North America:

240 na-letter.8500-11000

241 **5.1.6 Example:** The iso A4 size (210 mm by 297 mm) used in metric countries:

242 iso-a4.2100-29700

## 243 5.2 Custom Media Size Self Describing Name Format

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

248 ~~prefix-custom-mediaName.widthDim-lengthDim~~  
 249 custom-media-size-self-describing-name =  
 250 [prefix] "custom" [ "-" size-name ] "." short-dim "-" long-dim

251

252 **35.2.1 prefix** This string parameter must conform to all the requirements of section 3.1.1.

253 ~~The prefix string shall be separated from the "custom" string by a hyphen (0x2D).~~

254 **3.2.2 "custom"** ~~This string value must immediately follow the prefix for a name with English units.~~  
 255 ~~Otherwise, it will be the first parameter string in the name.~~

256 **35.2.3 size-name** ~~mediaName~~ This string is optional and, if used, provides a textual description of  
 257 the media size. The ~~mediaName~~ size-name must conform to all the requirements of section 3.1.2.

258 **35.2.4 short-dim** ~~widthDim~~ and **long-dim** ~~lengthDim~~ These values must conform to all requirements  
 259 of section 3.1.3.

260 **35.2.5 Example:** A custom form measuring 6 inches by 14 inches known as "long and narrow".

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

262

263 **5.2.6 Conventions for the Tables**

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

267

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

| <b>Legacy Name</b> | <b>Ref.</b> | <b>Alias (common name)</b>    | <b>Self Describing Name (inches / 1000)</b> |
|--------------------|-------------|-------------------------------|---|
|                    |             | index-3x5                     | na-index-3x5.3000-5000                      |
|                    |             | index-4x6                     | na-index-4x6.4000-6000                      |
|                    |             | a2                            | na-a2.4375-5750                             |
|                    |             | index-5x8                     | na-index-5x8.5000-8000                      |
|                    |             | 5x7                           | na-5x7.5000-7000                            |
| invoice            | 2           | statement, mini               | na-invoice.5500-8500                        |
|                    |             | index-4x6-ext                 | na-index-4x6-ext.6000-8000                  |
|                    |             | 7x9                           | 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                   |
| 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                       |
|                    |             | 9x11, letter-tab              | na-9x11.9000-11000                          |
| arch-a             | 2           | architecture-a                | na-arch-a.9000-12000                        |
|                    |             | letter-extra                  | na-letter-extra.9500-12000                  |
|                    |             | legal-extra                   | na-legal-extra.9500-15000                   |
|                    |             | 10x11                         | na-10x11.10000-11000                        |
|                    |             | 10x13                         | na-10x13.10000-13000                        |
|                    |             | 10x14                         | na-10x14.10000-14000                        |
|                    |             | 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                      |
| 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      |

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**ISSUE 01: The following Envelope Table and names are to be merged with the other tables and are to indicate only size, not type.**

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**Table 4 - North American Standard Envelope Media Sizes**

| Legacy Name           | Ref. | Alias (common name) | Self Describing Name (inches / 1000) |
|-----------------------|------|---------------------|--------------------------------------|
|                       |      | personal-envelope   | na-personal-envelope.3625-6500       |
| monarch-envelope      | 2    |                     | na-monarch-envelope.3875-7500        |
| na-number-9-envelope  | 1, 2 |                     | na-9-envelope.3875-8875              |
| na-number-10-envelope | 1, 2 |                     | na-10-envelope.4125-9500             |
|                       |      | a2-envelope         | na-a2-envelope.4375-5750             |
|                       |      | number-11-envelope  | na-11-envelope.4500-10375            |
|                       |      | number-12-envelope  | na-12-envelope.4750-11000            |
|                       |      | number-14-envelope  | na-14-envelope.5000-11500            |
| na-6x9-envelope       | 1, 2 | 6x9-envelope        | na-envelope.6000-9000                |
|                       |      | c5-envelope         | na-c5-envelope.6500-9500             |
| na-7x9-envelope       | 1, 2 | 7x9-envelope        | na-envelope.7000-9000                |
|                       |      | letter-envelope     | na-letter-envelope.8500-11000        |
| na-9x11-envelope      | 1, 2 | 9x11-envelope       | na-envelope.9000-11000               |
| na-9x12-envelope      | 1, 2 | 9x12-envelope       | na-envelope.9000-12000               |
| na-10x13-envelope     | 1, 2 | 10x13-envelope      | na-envelope.10000-13000              |
| na-10x14-envelope     | 1, 2 | 10x14-envelope      | na-envelope.10000-14000              |
| na-10x15-envelope     | 1, 2 | 10x15-envelope      | na-envelope.10000-15000              |

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**Table 5 - ISO Standard Sheet Media Sizes**

| <b>Legacy Name</b> | <b>Ref.</b> | <b>Alias (common name)</b> | <b>Self Describing Name (mm / 10)</b> |
|--------------------|-------------|----------------------------|---------------------------------------|
| 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-a5.1740-2350                      |
| 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                         | iso-b6.1250-1760                      |
| iso-b5             | 1, 2        | b5                         | iso-b5.1760-2500                      |
|                    |             | b5-extra                   | iso-b5-extra.2010-2760                |
| iso-b4             | 1, 2        | b4                         | 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                    |
|                    |             |                            |                                       |
| iso-c8             | 1           | c8                         | iso-c8.570-810                        |
| iso-c7             | 1           | c7                         | iso-c7.810-1140                       |
| iso-c6             | 1, 2        | c6                         | iso-c6.1140-1620                      |
| iso-c5             | 1, 2        | c5                         | iso-c5.1620-2290                      |
| iso-c4             | 1, 2        | c4                         | iso-c4.2290-3240                      |
| iso-c3             | 1, 2        | c3                         | iso-c3.3240-4580                      |
| iso-c2             | 1           | c2                         | iso-c2.4580-6480                      |
| iso-c1             | 1           | c1                         | iso-c1.6480-9170                      |
| iso-c0             | 1           | c0                         | iso-c0.9170-12970                     |
|                    |             |                            |                                       |

|                |      |                     |                     |
|----------------|------|---------------------|---------------------|
| iso-designated | 1, 2 | designated-long, dl | 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 |

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**ISSUE 01: The following Envelope Table and names are to be merged with the other tables and are to indicate only size, not type.**

**Table 6 - ISO Standard Envelope Media Sizes**

| Legacy Name                  | Ref. | Alias (common name) | Self Describing Name (mm / 10) |
|------------------------------|------|---------------------|--------------------------------|
|                              |      | c10-envelope        | iso-c10-envelope.280-400       |
|                              |      | c9-envelope         | iso-c9-envelope.400-570        |
|                              |      | c8-envelope         | iso-c8-envelope.570-810        |
|                              |      | c7-envelope         | iso-c7-envelope.810-1140       |
|                              |      | c7/c6-envelope      | iso-c7c6-envelope.810-1620     |
| iso-designated-long-envelope | 1, 2 | dl-envelope         | iso-dl-envelope.1100-2200      |
|                              |      | c6-envelope         | iso-c6-envelope.1140-1620      |
|                              |      | c6/c5-envelope      | iso-c6c5-envelope.1140-2290    |
| iso-b6-envelope              | 2    | b6-envelope         | iso-b6-envelope.1250-1760      |
|                              |      | b6/c4-envelope      | iso-b6c4-envelope.1250-3240    |
| iso-c5-envelope              | 1, 2 | c5-envelope         | iso-c5-envelope.1620-2290      |
| iso-b5-envelope              | 1, 2 | b5-envelope         | iso-b5-envelope.1760-2500      |
| iso-c4-envelope              | 1, 2 | c4-envelope         | iso-c4-envelope.2290-3240      |
| iso-b4-envelope              | 1, 2 | b4-envelope         | iso-b4-envelope.2500-3530      |
| iso-c3-envelope              | 2    | c3-envelope         | iso-c3-envelope.3240-4580      |
|                              |      | c2-envelope         | iso-c2-envelope.4580-6480      |
|                              |      | c1-envelope         | iso-c1-envelope.6480-9170      |
|                              |      | c0-envelope         | iso-c0-envelope.9170-12970     |

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**Table 7 - 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   |
|        |      | hagaki (postcard) | jpn-hagaki.1000-1480 |
|        |      | oufuku (postcard) | jpn-oufuku.1480-2000 |

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**ISSUE 01: The following Envelope Table and names are to be merged with the other tables and are to indicate only size, not type.**

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**Table 8 - Japanese Standard Envelope Media Sizes**

| Legacy Name | Ref. | Alias (common name) | Self Describing Name (mm / 10) |
|-------------|------|---------------------|--------------------------------|
|             |      | chou4-envelope      | jpn-chou4-envelope.900-2050    |
|             |      | you4-envelope       | jpn-you4-envelope.1050-2350    |
|             |      | envelope-2          | jpn-envelope-2.1111-1460       |
|             |      | chou3-envelope      | jpn-chou3-envelope.1200-2350   |
|             |      | kaku3-envelope      | jpn-kaku3-envelope.2160-2770   |
|             |      | kahu-envelope       | jpn-kahu-envelope.2400-3221    |
|             |      | kaku2-envelope      | jpn-kaku2-envelope.2400-3320   |

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**Table 9 - Chinese Standard Sheet Media Sizes**

| Legacy Name | Ref. | Alias (common name) | Self Describing Name (mm / 10) |
|-------------|------|---------------------|--------------------------------|
|             |      | prc-32k             | prc-32k.970-1510               |
|             |      | prc-16k             | prc-16k.1460-2150              |

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**ISSUE 01: The following Envelope Table and names are to be merged with the other tables and are to indicate only size, not type.**

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**Table 10 - Chinese Standard Envelope Media Sizes**

| Legacy Name | Ref. | Alias (common name) | Self Describing Name (mm / 10) |
|-------------|------|---------------------|--------------------------------|
|             |      | prc1-envelope       | prc1-envelope.1020-1650        |
|             |      | prc2-envelope       | prc2-envelope.1020-1760        |
|             |      | prc4-envelope       | prc4-envelope.1100-2080        |
|             |      | prc5-envelope       | prc5-envelope.1100-2200        |
|             |      | prc8-envelope       | prc8-envelope.1200-3090        |
|             |      | prc6-envelope       | prc6-envelope.1200-3200        |
|             |      | prc3-envelope       | prc3-envelope.1250-1760        |
|             |      | prc7-envelope       | prc7-envelope.1600-2300        |



|  |  |                |                          |
|--|--|----------------|--------------------------|
|  |  | prc9-envelope  | prc9-envelope.2290-3240  |
|  |  | prc10-envelope | prc10-envelope.3240-4580 |

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**Table 11 - Other Metric Standard Sheet Media Sizes**

| Legacy Name | Ref. | Alias (common name) | Self Describing Name (mm / 10) |
|-------------|------|---------------------|--------------------------------|
| folio       | 2    |                     | folio.2100-3300                |
|             |      | folio-sp            | folio-sp.2150-3150             |

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**ISSUE 01:** The following Envelope Table and names are to be merged with the other tables and are to indicate only size, not type.

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**Table 12 - Other Metric Standard Envelope Media Sizes**

| Legacy Name | Ref. | Alias (common name) | Self Describing Name (mm / 10) |
|-------------|------|---------------------|--------------------------------|
|             |      | italian-envelope    | italian-envelope.1000-2300     |
|             |      | postfix-envelope    | postfix-envelope.1140-2290     |
|             |      | invite-envelope     | invite-envelope.2200-2200      |

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## 6 Conformance Requirements

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

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## 7 IANA Considerations

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Media size names were originally developed as a part of the ISO DPA specification and have not been registered with IANA. The current revision of this specification, not an IANA registration, will define the official reference for media names. IANA has a registry for Media Sizes started by the Internet FAX WG. That registry is intended to be a small number of sizes in order to maximize interoperability for FAX. On the other hand, the Media Size Names in this standard are intended to include as many sizes as are in common use somewhere. Therefore, it seems more useful not to submit the Media Size Names to IANA for registration which would water down the sizes already registered for Internet FAX.

**ISSUE 02+:** Do we need this section? This appears to be an IETF remnant. Any objections to not registering these names with IANA?

## 321 8 Internationalization Considerations

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

325 *ISSUE 032: Do we need this section? Should UTF-8 be mentioned? If*  
326 *yes, then the ABNF needs to be enhanced for custom names.*

## 327 9 Security Considerations

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

## 330 10 References

331 [DPA]

332 ISO/IEC 10175, Document Printing Application, June 1996.

333 [RFC1759]

334 Smith, R., Wright, F., Hastings, T., Zilles, S., Gyllenskog, J., "Printer MIB", RFC 1759, March  
335 1995.

336 [RFC2534]

337 Masinter, L., et al, "Media Features for Display, Print, and Fax", RFC 2534, March 1999.

338 ~~[RFC2911]~~

339 Hastings, T., Herriot, R., deBry, R., Isaacson, S., and P. Powell, "Internet Printing Protocol/1.1:  
340 Model and Semantics", RFC 2911, September 2000.

341 ~~[TIP/SI]~~

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

## 344 11 Author's Address

345 Ron Bergman  
346 Hitachi Koki Imaging Solutions  
347 1757 Tapo Canyon Road  
348 Simi Valley, CA 93063-3394  
349  
350 Phone: 805 578 4421  
351 Fax: 805 578 4005  
352 e-mail: [rbergma@hitachi-hkis.com](mailto:rbergma@hitachi-hkis.com)

353  
354 Tom Hastings  
355 Xerox Corporation  
356 737 Hawaii St  
357 El Segundo, CA 90245  
358  
359 Phone: 310 333-6413  
360 Fax: 310 333-5514  
361 e-mail: [hastings@cp10.es.xerox.com](mailto:hastings@cp10.es.xerox.com)  
362

363 Additional contributors:

364  
365 Harry Lewis - IBM Corporation  
366 Jim Lo - Sun Microsystems  
367 Roelof Hamberg - Oce  
368

## 369 **12 Appendix A: Description of the IEEE Industry Standards and Technology** 370 **(ISTO)**

371 The IEEE-ISTO is a not-for-profit corporation offering industry groups an innovative and flexible  
372 operational forum and support services. The IEEE-ISTO provides a forum not only to develop  
373 standards, but also to facilitate activities that support the implementation and acceptance of standards  
374 in the marketplace. The organization is affiliated with the IEEE (<http://www.ieee.org/>) and the IEEE  
375 Standards Association (<http://standards.ieee.org/>).

376 For additional information regarding the IEEE-ISTO and its industry programs visit:  
377 <http://www.ieee-isto.org>

## 378 **13 Appendix B: Description of the IEEE-ISTO PWG**

379 The Printer Working Group (or PWG) is a Program of the IEEE Industry Standards and Technology  
380 Organization (ISTO) with member organizations including printer manufacturers, print server  
381 developers, operating system providers, network operating systems providers, network connectivity  
382 vendors, and print management application developers. The group is chartered to make printers and  
383 the applications and operating systems supporting them work together better. All references to the  
384 PWG in this document implicitly mean “The Printer Working Group, a Program of the IEEE ISTO.” In  
385 order to meet this objective, the PWG will document the results of their work as open standards that  
386 define print related protocols, interfaces, procedures and conventions. Printer manufacturers and  
387 vendors of printer related software will benefit from the interoperability provided by voluntary  
388 conformance to these standards.

389 In general, a PWG standard is a specification that is stable, well understood, and is technically  
390 competent, has multiple, independent and interoperable implementations with substantial operational  
391 experience, and enjoys significant public support.

392 For additional information regarding the Printer Working Group visit:  
393 <http://www.pwg.org>

394 **14 Appendix C: Change History**

395 ~~The document is still too preliminary to worry about this! The next~~  
396 ~~revision will track all changes.~~

397 **14.1 Changes to D.03, February 22, 2001, to make D.04, March 21, 2001**

398 The following changes were made:

- 399
- 400 1. Added more Terminology
  - 401 2. Added Media Type Names
  - 402 3. Added Media Color Names
  - 403 4. Used ABNF to define the syntax for Media Size Self Describing Names