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Media Standardized Names

Draft D0.4

March 21, 2001

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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 [RFC1759] and the IPP Model and Semantics [RFC2911] 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>

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TABLE OF CONTENTS

53	TABLE OF CONTENTS		
54			
55	1. INTRODUCTION	5	
56	1.1 SCOPE.....	5	
57	2 TERMINOLOGY	5	
58	3 MEDIA TYPE NAMES	6	
59	4 MEDIA COLOR NAMES	7	
60	5 MEDIA SIZE SELF DESCRIBING NAMES	8	
61	5.1 MEDIA SIZE SELF DESCRIBING NAME FORMAT.....	8	
62	5.2 CUSTOM MEDIA SIZE SELF DESCRIBING NAME FORMAT	10	
63	6 CONFORMANCE REQUIREMENTS	16	
64	7 IANA CONSIDERATIONS	16	
65	8 INTERNATIONALIZATION CONSIDERATIONS.....	17	
66	9 SECURITY CONSIDERATIONS	17	
67	10 REFERENCES	17	
68	11 AUTHOR'S ADDRESS.....	17	
69	12 APPENDIX A: DESCRIPTION OF THE IEEE INDUSTRY STANDARDS AND		
70	TECHNOLOGY (ISTO)	18	
71	13 APPENDIX B: DESCRIPTION OF THE IEEE-ISTO PWG	18	
72	14 APPENDIX C: CHANGE HISTORY	19	
73	14.1 CHANGES TO D.03, FEBRUARY 22, 2001, TO MAKE D.04, MARCH 21, 2001	19	
74			
75	Table of Tables		
76	Table 1 - Standardized Media Type Names	7	
77	Table 2 - Media Color Names	8	
78	Table 3 - North American Standard Sheet Media Sizes	11	
79	Table 4 - North American Standard Envelope Media Sizes	12	
80	Table 5 - ISO Standard Sheet Media Sizes	13	
81	Table 6 - ISO Standard Envelope Media Sizes	14	
82	Table 7 - Japanese Standard Sheet Media Sizes	14	
83	Table 8 - Japanese Standard Envelope Media Sizes.....	15	
84	Table 9 - Chinese Standard Sheet Media Sizes	15	
85	Table 10 - Chinese Standard Envelope Media Sizes	15	

86 Table 11 - Other Metric Standard Sheet Media Sizes 16
87 Table 12 - Other Metric Standard Envelope Media Sizes 16
88
89

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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, weight, opacity, or coating are not included at this time, though they may be added in the
111 future, if the need arises.

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

114 The color attribute that is included in a portion of the Media Name entries in both the Printer MIB and
115 IPP are included as a separate independent set of Color Names.
116

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

121 2 Terminology

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

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

127 **ASCII** American Standards Code for Information Exchange as defined in ANSI X3.4-1986, "Coded
128 Character Set - 7-bit American Standard Code for Information Interchange (ASCII). A character set
129 encoding with printable characters defined in the range 0x21 to 0x7E and the SPACE character (0x20).
130 Other encoded values **MUST NOT** be used.

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

133 **ISO** International Organization for Standardization.

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

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

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

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

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

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

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

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

152 **3 Media Type Names**

153 Table 1 defines the standardized Media Type Names.

154

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

159
160

Table 1 - Standardized Media Type Names

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

161

162 4 Media Color Names

163 Table 2 defines the standardized Media Color Names.

164

Table 2 - Media Color Names

'no-color'	The specified media should have no color.
'white'	The specified media should be white.
'pink'	The specified media should be pink.
'yellow'	The specified media should be yellow.
'blue'	The specified media should be blue.
'green'	The specified media should be green.
'buff'	The specified media should be buff.
'goldenrod'	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.

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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.

170

5 Media Size Self Describing Names

171

172

173

174

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.

175

Ref column entry definitions:

176

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

177

2 = IPP

178

179

5.1 Media Size Self Describing Name Format

180

181

182

183

184

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:

185

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

186

```
prefix = "na-"
```

187

188

189

```
size-name = lowalpha *( lowalpha | digit | "-" | "-" )
```

190

```
short-dim = *digit
```

191

192


```

193     long-dim = *digit
194
195     lowalpha = "a" | "b" | "c" | "d" | "e" | "f" | "g" | "h" | "i" |
196               "j" | "k" | "l" | "m" | "n" | "o" | "p" | "q" | "r" |
197               "s" | "t" | "u" | "v" | "w" | "x" | "y" | "z"
198
199     digit    = "0" | "1" | "2" | "3" | "4" | "5" | "6" | "7" | "8" | "9"

```

200 **5.1.1 prefix** This string parameter is present to indicate the size dimensions are in English units. The
 201 value of the prefix string is "na-".

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

205 **5.1.2 size-name** This string provides a textual description of the media size. It is normally derived
 206 from the Legacy or Alias name associated with the media size. The size-name can consist of multiple
 207 words, with each word separated by a hyphen (0x2D).

208 **5.1.3 short-dim and long-dim** These values define the media size. The *short-dim* is always the
 209 smaller of the two dimensions.

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

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

212 **5.1.4 General**

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

214 While Media Size Self Describing Names are presented in this standard using lower case characters,
 215 other standards that use these names, MUST indicate the case sensitivity for their conformance. Such
 216 other standards MAY:

- 217 a) also require only lower case as in this standard
- 218 b) allow lower, upper case, and mixed case to be used with the same meaning as the names in
 219 this standard, i.e., case insensitive matching
- 220 c) require all uppercase letters to be used with the same meaning as the corresponding names
 221 in this standard.

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

225 **5.1.5 Example:** The letter size (8.5 inches by 11 inches) used in North America:

226 **na-letter.8500-11000**

227 **5.1.6 Example:** The iso A4 size (210 mm by 297 mm) used in metric countries:

228 **iso-a4.2100-29700**

229 5.2 Custom Media Size Self Describing Name Format

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

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

236

237 **5.2.1 *prefix*** This string parameter must conform to all the requirements of section 3.1.1.

238 **5.2.3 *size-name*** This string is optional and, if used, provides a textual description of the media size.
239 The *size-name* must conform to all the requirements of section 3.1.2.

240 **5.2.4 *short-dim* and *long-dim*** These values must conform to all requirements of section 3.1.3.

241 **5.2.5 Example:** A custom form measuring 6 inches by 14 inches known as "long and narrow".

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

243

244 5.2.6 Conventions for the Tables

245 The rest of this section contains the tables of Media Size Self Describing Names. Within a table
246 entries from different sources are grouped together. The entries in these groups are arranged in order
247 of increasing size of the smaller dimension.
248

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
		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	architectur e-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.

253

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

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-a5.1740-2350
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 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.

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

302 8 Internationalization Considerations

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

306 *ISSUE 03: Do we need this section ? Should UTF-8 be mentioned ? If*
307 *yes, then the ABNF needs to be enhanced for custom names.*

308 9 Security Considerations

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

311 10 References

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350 **12 Appendix A: Description of the IEEE Industry Standards and Technology** 351 **(ISTO)**

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

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

359 **13 Appendix B: Description of the IEEE-ISTO PWG**

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

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

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

375 **14 Appendix C: Change History**

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377 **14.1 Changes to D.03, February 22, 2001, to make D.04, March 21, 2001**

378 The following changes were made:

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