Co	<b>ntents</b>	Page
Fore	word	vi
Intro	duction	. vii
1 8	Scope	1
2 C 2.1 2.2 2.3 2.4	Conformance	1 1 1
3 N	Normative references	2
4 T	Ferms and definitions	6
5 N	lotation	. 10
6 V	/ersion Designations	. 10
7.1 7.2 7.3 7.4 7.5 7.6 7.7 7.8 7.9 7.10 7.11	Syntax  General.  Lexical Conventions.  Objects.  Filters.  File Structure.  Encryption.  Document Structure  Content Streams and Resources  Common Data Structures.  Functions.  File Specifications  Extensions Dictionary  Graphics.  General.  Graphics Objects  Coordinate Systems  Graphics State.  Path Construction and Painting  Colour Spaces.	. 11 . 13 . 22 . 38 . 55 . 70 . 81 . 84 . 92 . 99 108 110 110 114 121 131
8.7	Patterns	
8.8 8.9 8.10 8.11	External Objects	203 217
	ext	
9.1 9.2 9.3 9.4 9.5 9.6 9.7	General. Organization and Use of Fonts Text State Parameters and Operators. Text Objects Introduction to Font Data Structures Simple Fonts. Composite Fonts. Font Descriptors.	237 243 248 253 254 267
9.9 9.10 10	Embedded Font Programs	288 292

## PDF 32000-1:2008

10.1 10.2	GeneralCIE-Based Colour to Device Colour	297
10.3	Conversions among Device Colour Spaces	
10.4	Transfer Functions	
10.5	Halftones	
10.6	Scan Conversion Details	316
11 T	ransparency	320
11.1	General	
11.2	Overview of Transparency	320
11.3	Basic Compositing Computations	
11.4	Transparency Groups	
11.5	Soft Masks	
11.6	Specifying Transparency in PDF	
11.7	Colour Space and Rendering Issues	353
12 Ir	nteractive Features	362
12.1	General	
12.2	Viewer Preferences	
12.3	Document-Level Navigation	365
12.4	Page-Level Navigation	374
12.5	Annotations	381
12.6	Actions	414
12.7	Interactive Forms	430
12.8	Digital Signatures	466
12.9	Measurement Properties	479
12.10	Document Requirements	484
13 M	lultimedia Features	126
13.1	General	
13.1	Multimedia	
13.3	Sounds	
13.4	Movies	
13.5	Alternate Presentations	
13.6	3D Artwork	
44 5		
14 D 14.1	ocument Interchange	
14.1	Procedure Sets	
14.2	Metadata	
14.3	File Identifiers	
14.5	Page-Piece Dictionaries	
14.6	Marked Content	
14.7	Logical Structure.	
14.8	Tagged PDF	
14.9	Accessibility Support	
14.10	Web Capture	
14.11	Prepress Support	
A	• • • • • • • • • • • • • • • • • • • •	
Annex (inforr	native)	
Opera	tor Summary	643
Annex	· R	
(norm		
Opera	tors in Type 4 Functions	647
Annex	••	
AIIIIEX		

## (normative)

Implementation Limits	649
Annex D (normative)	
Character Sets and Encodings	651
Annex E (normative)	
PDF Name Registry	673
Annex F (normative)	
Linearized PDF	675
Annex G (informative)	
Linearized PDF Access Strategies	695
Annex H (informative)	
Example PDF Files	699
Annex I (normative)	
PDF Versions and Compatibility	727
Annex J (informative)	
FDF Rename Flag Implementation Example	729
Annex K (informative)	
PostScript Compatibility — Transparent Imaging Model	731
Annex L (informative)	
Colour Plates	733
Bibliography	745