

ISO 15930-7:2010-07 (E)

Graphic technology - P repress digital data exchange using PDF - Part 7: Complete exchange of printing data (PDF/X-4) and partial exchange of printing data with external profile reference (PDF/X-4p) using PDF 1.6

Contents		Page
Foreword		iv
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Notations	5
5	PDF/X-4 conforming files and equipment	5
6	Technical requirements	6
6.1	General	6
6.2	Non-print elements	7
6.3	Complete exchange	7
6.4	Colour	7
6.5	Fonts	11
6.6	Encoding of name objects	12
6.7	External and embedded files	12
6.8	Stream filters	13
6.9	Trapping	13
6.10	Metadata and document identification	13
6.11	PDF/X-4 file identification	16
6.12	Bounding boxes	16
6.13	Extended graphics state	17
6.14	PostScript XObjects	17
6.15	Use of encryption and access control	17
6.16	Images	17
6.17	Annotations	18
6.18	Actions and JavaScripts	18
6.19	Use of the BX/EX operators	18
6.20	Use of transparency	18
6.21	Viewer preferences	19
6.22	Use of alternate presentations	19
6.23	Rendering intents	19
6.24	Use of optional content	19
6.25	Architectural limits	20
6.26	XFA forms	20
6.27	JPEG2000 images	20
Annex A (normative) Requirements for PDF/X-4p		22
Annex B (informative) PDF feature summary		24
Bibliography		27