

# *Standards that refer to ICC profiles*

The ICC profile specification, ISO15076, is widely referred to in other standards. The International and de-facto standards listed below are known to make reference to ICC profiles.

Most image file format specifications and standards allow embedding of ICC profiles. Details of embedding requirements are summarised at ICC profiles in are given at [http://www.color.org/profile\\_embedding.html](http://www.color.org/profile_embedding.html) (where provided in the standard or specification) or otherwise in Annex B of the ICC specification.

## **International Standards**

**ISO/IEC 10918-1:** Coding of still pictures - JPEG

**ISO12234-4:** Photography - Electronic still-picture imaging – Part 4: Exchangeable image file format (Exif 2.2)

**ISO 12639:2004** Graphic technology – Prepress digital data exchange – Tag image file format for image technology (TIFF/IT)

**ISO 12647-1:** Graphic Technology - Process control for the production of halftone colour separations, proof and production prints – Part 1: Parameters and measurement methods

**ISO 12647-2:** Graphic Technology – Process control for the production of halftone colour separations, proof and production prints – Part 2: Offset processes

**ISO 12647-3:** Graphic technology – Process control for the production of half-tone colour separations, proofs and production prints – Part 3: Coldset offset lithography on newsprint

**ISO 12647-3:** Graphic technology – Process control for the production of half-tone colour separations, proof and production prints – Part 4: Publication gravure printing

**ISO 12647-6:** Graphic technology – Process control for the production of half-tone colour separations, proof and production prints – Part 6: Flexographic printing

**ISO 12647-7:** Graphic technology – Process control for the production of half-tone colour separations, proof and production prints – Part 7: Proofing processes working directly from digital data

**ISO/IEC 15948:** Portable Network Graphics file format (jointly defined with W3C – see [www.libpng.org/pub/png/spec/iso](http://www.libpng.org/pub/png/spec/iso))

**ISO/IEC15444:** Coding of still pictures – JPEG2000

**ISO/IEC 15444-2** Information technology – JPEG 2000 image coding system: Extensions

**ISO 15930-1** Graphic technology – Prepress digital data exchange — Use of PDF. Part 1: Complete exchange using CMYK data (PDF/X-1 and PDF/X-1a)

**ISO 15930-3** Graphic technology – Prepress digital data exchange — Use of PDF. Part 3: Complete exchange suitable for colour managed workflows (PDF/X-3)

**ISO 15930-4** Graphic technology – Prepress digital data exchange using PDF - Part 4: Complete exchange of CMYK and spot colour printing data using PDF 1.4 (PDF/X-1a)

**ISO 15930-5** Graphic technology – Prepress digital data exchange using PDF - Part 5: Partial exchange of printing data using PDF 1.4 (PDF/X-2)

**ISO 15930-6** Graphic technology – Prepress digital data exchange using PDF - Part 6: Complete exchange of printing data suitable for colour-managed workflows using PDF 1.4 (PDF/X-3)

**ISO 22028-1** Photography and Graphic Technology – Extended colour encodings for digital image storage, manipulation and interchange – Part 1: Architecture and requirements

## **De-facto standards**

**PICT** standard specifications (file format published by Apple Computer Inc.)

Postscript Language (**EPS** file format published by Adobe Systems Inc.)

Digital Negative (**DNG** file format published by Adobe Systems Inc.)

**PDF** Page Description format (file format published by Adobe Systems Inc.)

**JDF** v1.1 Revision A (Job Definition format published by the CIP4 consortium available from [www.cip4.org](http://www.cip4.org))

**SVG** (Scalable Vector Graphics) version 1.1 (file format defined by W3C available from [www.w3.org/TR/SVG](http://www.w3.org/TR/SVG))

**CSS3** (Cascading Style Sheets) (file format working draft defined by W3C available from [www.w3.org/Style/CSS/current-work](http://www.w3.org/Style/CSS/current-work))

## **Work in progress**

**ECMA TC46** - XML Paper Specification (XPS)

For details see <http://www.ecma-international.org/memento/TC46.htm>