INTERNATIONAL STANDARD

ISO/IEC 15948

Information technology — Computer graphics and image processing — Portable Network Graphics (PNG): Functional specification

Technologies de l'information — Infographie et traitement d'images — Graphiques de réseau portables (PNG): Spécification fonctionnelle

This zipped file contains the publication ISO/IEC 15948:2004 in HyperText Markup Language (HTML).

Abstract

ISO/IEC 15948:2004 specifies a datastream and an associated file format, Portable Network Graphics (PNG, pronounced "ping"), for a lossless, portable, compressed individual computer graphics image transmitted across the Internet. Indexed-colour, greyscale, and truecolour images are supported, with optional transparency. Sample depths range from 1 to 16 bits. PNG is fully streamable with a progressive display option. It is robust, providing both full file integrity checking and simple detection of common transmission errors. PNG can store gamma and chromaticity data as well as a full ICC colour profile for accurate colour matching on heterogenous platforms. ISO/IEC 15948:2004 defines the Internet Media type "image/png". The datastream and associated file format have value outside of the main design goal.

Installation

This publication has been packaged as a zipped file. Copy it to the desired location in your local environment. Once the file has been copied to your local environment, open the file to unzip its contents. For compound documents (e.g. HTML documents comprising several files or folders, documents that have been subdivided owing to the total file size, etc.), in order for the links between documents to function properly, the file and folder names must be maintained and all the files stored in the same folder.

Where the zip file contains a Readme file, it is essential to consult this file to understand the way in which the document has been structured.