
**Information technology — Digital
compression and coding of continuous-
tone still images: Application to printing
systems**

*Technologies de l'information — Compression numérique et codage
des images fixes à modelé continu: Application aux systèmes
d'impression*



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Published in Switzerland

Foreword

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ISO/IEC 10918-6 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*, in collaboration with ITU-T. The identical text is published as Rec. ITU-T T.872 (06/2012).

ISO/IEC 10918 consists of the following parts, under the general title *Information technology -- Digital compression and coding of continuous-tone still images*:

- *Part 1: Requirements and guidelines*
- *Part 2: Compliance testing*
- *Part 3: Extensions*
- *Part 4: Registration of JPEG profiles, SPIFF profiles, SPIFF tags, SPIFF colour spaces, APPn markers, SPIFF compression types and Registration Authorities (REGAUT)*
- *Part 5: JPEG File Interchange Format (JFIF)*
- *Part 6: Application to printing systems*

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Introduction

This Recommendation | International Standard specifies a subset of features and application tools for the interchange of images encoded according to the JPEG image coding standard (Rec. ITU-T T.81 | ISO/IEC 10918-1) for printing.

INTERNATIONAL STANDARD**RECOMMENDATION ITU-T****Information technology – Digital compression and coding of continuous-tone still images: Application to printing systems****1 Scope**

This Recommendation | International Standard specifies a subset of features and application tools for printing applications that encode or decode images based on JPEG (Recommendation ITU-T T.81 | ISO/IEC 10918-1) encoding. Its creation was proposed by members of the digital printing industry to ensure that applications developed for printing systems can exchange JPEG images.

2 Normative references

The following Recommendations and International Standards contain provisions which, through reference in this text, constitute provisions of this Recommendation | International Standard. At the time of publication, the editions indicated were valid. All Recommendations and Standards are subject to revision, and parties to agreements based on this Recommendation | International Standard are encouraged to investigate the possibility of applying the most recent edition of the Recommendations and Standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards. The Telecommunication Standardization Bureau of the ITU maintains a list of currently valid ITU-T Recommendations.

- Recommendation ITU-T T.81 (1992) | ISO/IEC 10918-1:1994, *Information technology – Digital compression and coding of continuous-tone still images – Requirements and guidelines*.
- Recommendation ITU-T T.871 (2011) | ISO/IEC 10918-5:2011, *Information technology – Digital compression and coding of continuous-tone still images – JPEG File Interchange Format (JFIF)*.
- Recommendation ITU-R BT.601-6 (2007), *Studio encoding parameters of digital television for standard 4:3 and wide screen 16:9 aspect ratios*.
- ISO 15076-1:2010, *Image technology colour management – Architecture, profile format and data structure – Part 1: Based on ICC.1:2004-10*.