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Part 2: Extensions

*Technologies de l'information — Système de codage d'images JPEG
2000 —*

Partie 2: Extensions



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Foreword

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This document was prepared by ITU-T (as ITU-T REC. T.803) and drafted in accordance with its editorial rules, in collaboration with Joint Technical Committee ISO/IEC JTC 1, *Information technology, Subcommittee SC 29, Coding of audio, picture, multimedia and hypermedia information*.

This second edition cancels and replaces the first edition (ISO/IEC 15444-2:2004), which has been technically revised. It also incorporates the Amendments ISO/IEC 15444-2:2004/Amd 2:2006, ISO/IEC 15444-2:2004/Amd 3:2015 and ISO/IEC 15444-2:2004/Amd 4:2015 and the Technical Corrigenda ISO/IEC 15444-2:2004/Cor 3:2005 and ISO/IEC 15444-2:2004/Cor 4:2007.

The main changes are as follows:

- Annex N ("JPX file format extended metadata definition and syntax") is deprecated;
- the Registration Authority specified in M.7, which was never created or used, is cancelled;
- signalling for HTJ2K codestreams, as specified in Rec. ITU-T T.814 | ISO/IEC 15444-15, is added;
- the RLT marker segment is added;
- references have been revised to their currently in-force editions;
- signalling for codestreams that conform to ISO/IEC 21122-1 is added;
- parameterized colour space is added to the Colour Specification box;

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- outstanding amendments and corrigenda are consolidated; and
- the definition of the CAP marker segment was moved to Rec. ITU-T T.800 (2019) | ISO/IEC 15444-1:2019.

A list of all parts in the ISO/IEC 15444 series can be found on the ISO and IEC websites.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

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for coding continuous-tone, bi-level, grey-scale, colour digital still images, or multi-component images.

This Recommendation | International Standard:

- specifies extended decoding processes for converting compressed image data to reconstructed image data;
- specifies an extended codestream syntax containing information for interpreting the compressed image data;
- specifies an extended file format;
- specifies a container to store image metadata;
- defines a standard set of image metadata;
- provides guidance on extended encoding processes for converting source image data to compressed image data;
- provides guidance on how to implement these processes in practice.