



**International
Standard**

ISO/IEC 15444-16

**Information technology — JPEG
2000 image coding system —**

**Part 16:
Enhanced encapsulation of JPEG
2000 images into ISO/IEC 14496-12**

**Third edition
2025-08**



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This document was prepared by ITU-T (as ITU-T T.815) 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 third edition cancels and replaces the second edition (ISO/IEC 15444-16:2021), which has been technically revised.

The main changes are as follows:

- adds more flexible signalling of colour information;
- explicitly specifies the encapsulation of JPEG 2000 images into ISO/IEC 14496-12;
- defines the structures necessary to implement JPEG 2000 video tracks.

A list of all parts in the ISO/IEC 15444-16 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.

CONTENTS

	<i>Page</i>
1 Scope	1
2 Normative references	1
2.1 Identical Recommendations International Standards	1
2.2 Paired Recommendations International Standards equivalent in technical content	1
2.3 Additional references	1
3 Definitions	1
3.1 Terms defined elsewhere.....	1
3.2 Terms defined in this Recommendation International Standard	1
4 Abbreviations	2
5 Conventions.....	2
6 Encapsulation of JPEG 2000 images and image collections	2
6.1 General.....	2
6.2 JPEG 2000 coded image item	2
6.3 JPEG 2000 header item property	3
6.4 JPEG 2000 layers box	4
6.5 File conformance.....	5
6.5 Reader conformance	5
6.6 Media type	5
6.7 Media type registration	5
7 Encapsulation of JPEG 2000 image sequences in ISO/IEC 23008-12	6
7.1 General.....	6
7.2 JPEG 2000 image sequence	6
7.3 JPEG 2000 visual sample entry.....	6
7.4 JPEG 2000 prefix	7
7.5 JPEG 2000 header info.....	7
7.6 File conformance.....	7
7.7 Reader conformance	7
7.8 Media type	7
7.8 Media type registration	8
8 Encapsulation of JPEG 2000 video media in ISO/IEC 14496-12	8
8.1 General.....	8
8.2 JPEG 2000 video media	9
8.3 File conformance.....	9
8.4 Reader conformance	9
8.5 Media type	9
9 Encapsulation of Rec. ITU-T T.802 ISO/IEC 15444-3 image sequences (informative)	9
10 Common conformance	9
10.1 Reader conformance	9
10.2 File conformance.....	10
Bibliography	11

**INTERNATIONAL STANDARD
ITU-T RECOMMENDATION****Information technology – JPEG 2000 image coding system: Enhanced encapsulation of JPEG 2000 images into ISO/IEC 14496-12****1 Scope**

This Recommendation | International Standard specifies the encapsulation of codestreams specified in the JPEG 2000 family of Recommendations | International Standards into file formats derived from ISO/IEC 14496-12, including the file format specified in ISO/IEC 23008-12.

2 Normative references

The following Recommendations and International Standards contain provisions which, through reference in this text, constitute provisions of this Recommendation | International Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies. At the time of publication, the editions indicated in dated references 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.

2.1 Identical Recommendations | International Standards

- Recommendation ITU-T T.800 (in force) | ISO/IEC 15444-1 (in force), *Information technology – JPEG 2000 image coding system: Core coding system*.
- Recommendation ITU-T T.801 (in force) | ISO/IEC 15444-2 (in force), *Information technology – JPEG 2000 image coding system: Extensions*.

2.2 Paired Recommendations | International Standards equivalent in technical content

None.

2.3 Additional references

- ISO/IEC 14496-12 (in force), *Information technology – Coding of audio-visual objects – Part 12: ISO base media file format*.
- ISO/IEC 23008-12 (in force), *Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 12: Image file format*.